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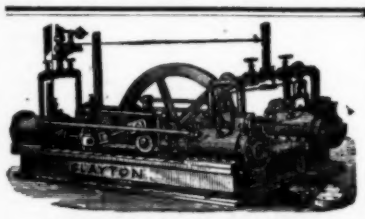
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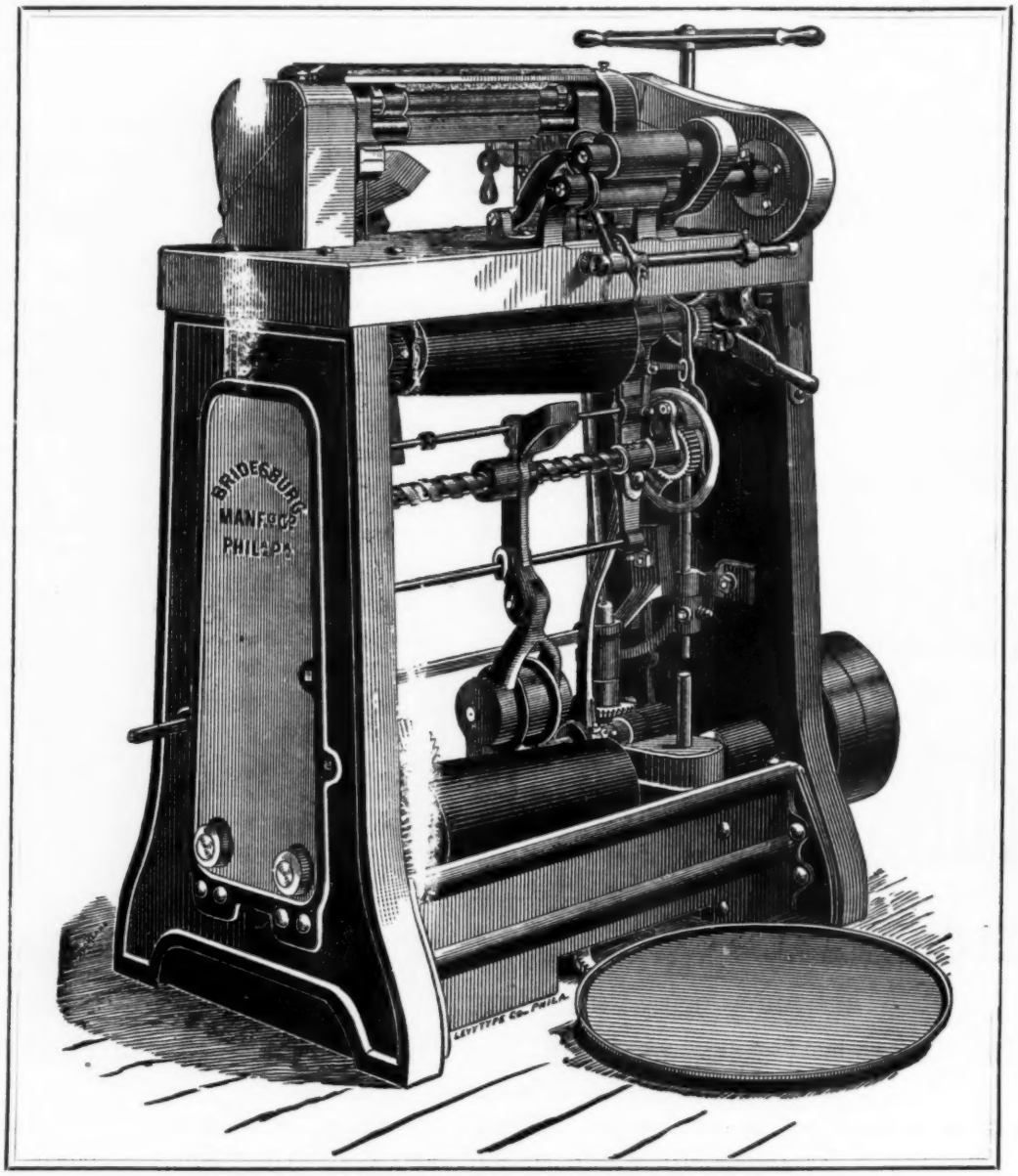
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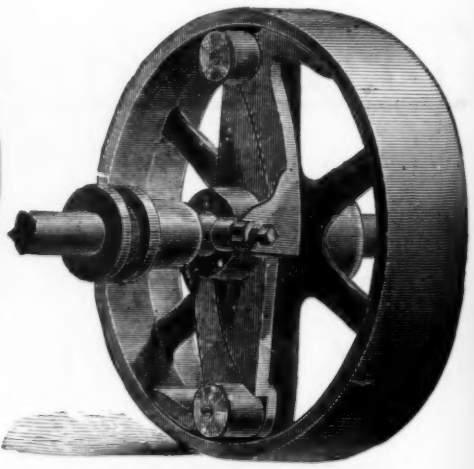
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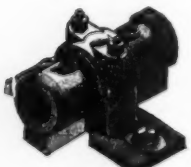


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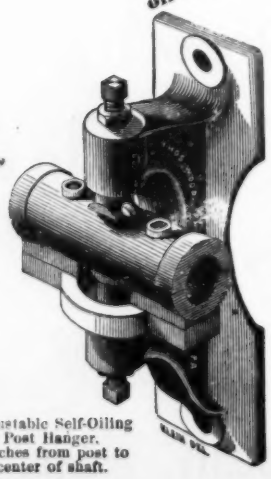
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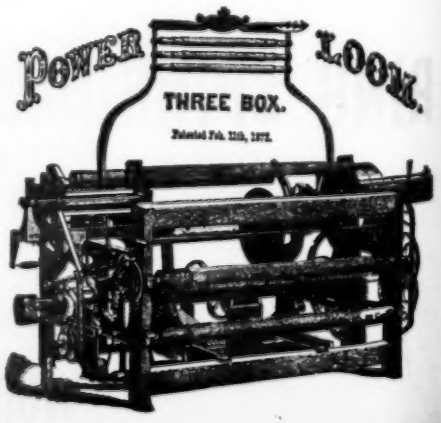
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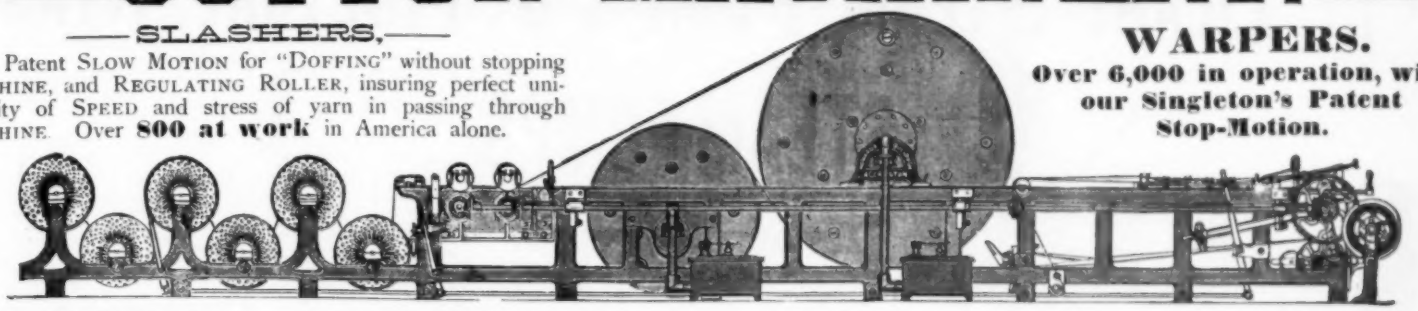
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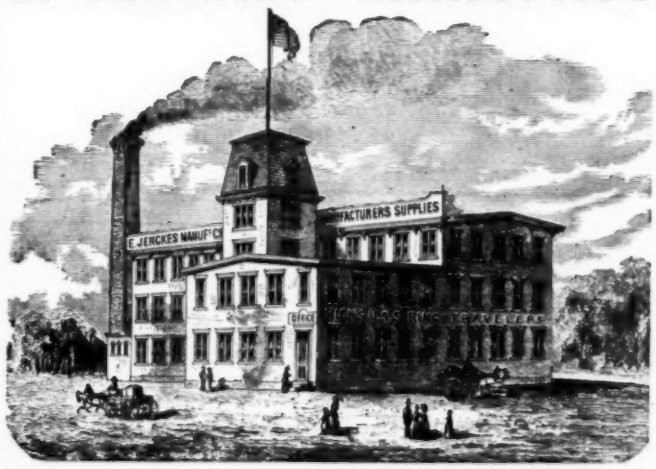


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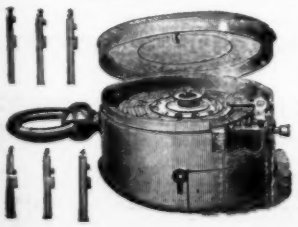
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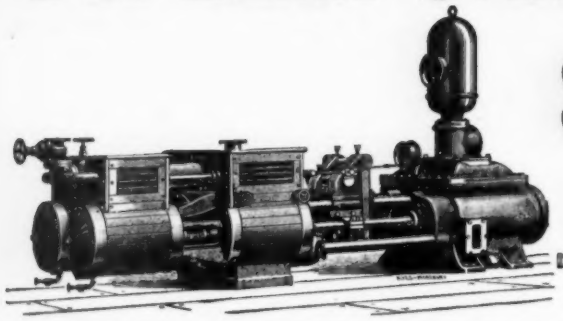
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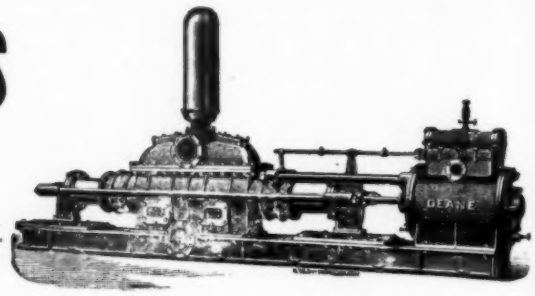
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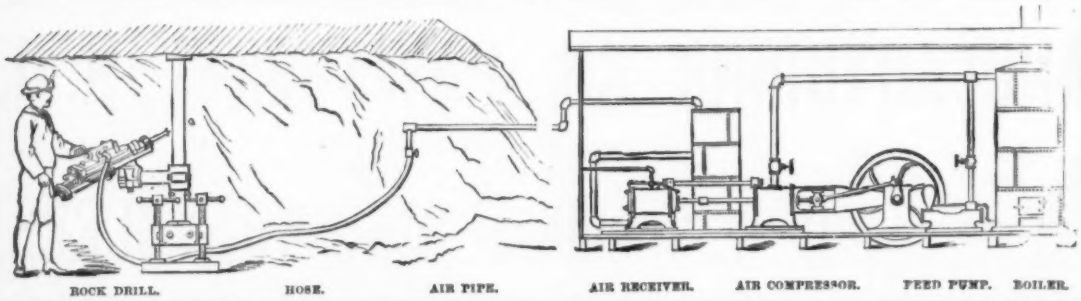
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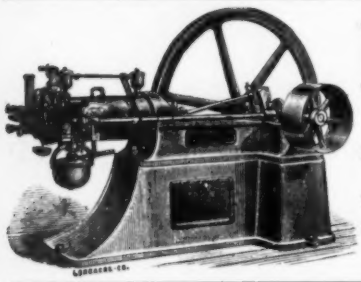


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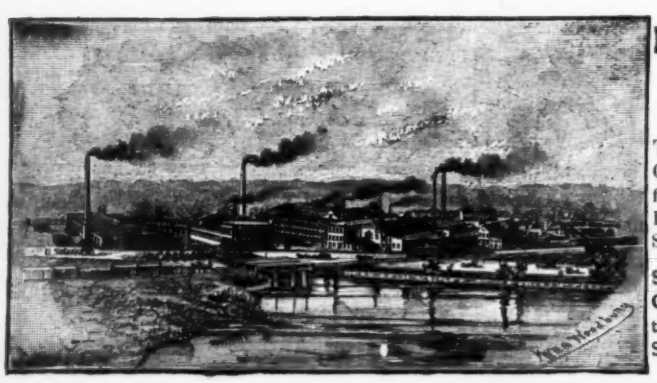
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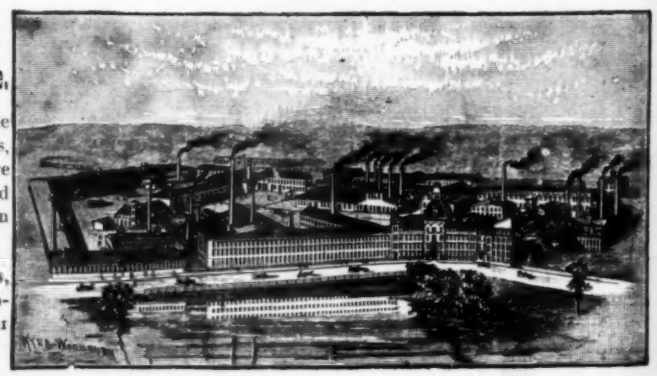
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BALTIMORE, JUNE 28, 1884.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,—so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

THE Petersburg Index-Appeal says: "We believe the revenue declaration of the late Democratic State Convention expressed the sentiments of nine-tenths of the Virginia democrats. There are numbers of Virginians who are 'free traders,' but most of them are sensible enough to understand and manly enough to acknowledge that 'free trade' is now an impossibility, and that 'free trade' with foreigners is an absurdity—is not only an absurdity but an outrage—as long as the law forbids 'free trade' between neighbors. It is the demand of Mr. Frank Hurd, for instance, that we shall be allowed to buy from a French, or English, or German merchant anything we choose, and that the government shall not interfere in any way. Yet we in Petersburg cannot buy from our friends in neighboring counties the products of their farms and orchards without government interference, and the manufacturers cannot manufacture without interference."

The South's Danger from the New Orleans Exhibition.

In view of the persistence with which we have advocated the great Cotton Exhibition since it was first suggested by President Morehead, of the Cotton Planters' Association, and of our repeated predictions of the untold and immeasurable good that it would almost surely accomplish for the South, it may seem paradoxical for us now to say that the New Orleans Exhibition has in it an element of serious danger to every Southern State, and yet there can be no doubt of the truth of this.

So long as it was supposed that the chief displays by States of their varied agricultural, mineral and timber resources would be confined to the States south of Mason & Dixon's line it was deemed certain that these attractions would be such as to draw increased wealth and immigration to the South. The scope of this exhibition is not, however, to be sectional, nor even national only, but international. Mexico proposes to spend $250,000 in making a magnificent display of all her vast riches, while the South American States will be likewise liberal in their expenditures. It is also quite probable that nearly every State and territory in the United States will make an official display of its resources. New Mexico, for instance, is determined to indelibly impress upon the mind of every visitor the vastness of her mineral resources. She does not propose simply to exhibit a few small samples of the different metals to be found within her borders, which would not attract great attention, but intends to first catch the eye of all visitors by the size and magnificence of her display, and then they will be sure to investigate for themselves. A correspondent of the Charlotte Observer, writing of what Prof. Langhammer, who is preparing the New Mexico exhibit, proposes to do, says that "he understands the impression produced by massiveness, and he is going to pile up his ores and minerals on top of minerals, because he knows the effect it will have upon beholders." In seven counties alone Prof. Langhammer has already secured for the exhibition nine car-loads of ores and minerals and one of agricultural and horticultural products, or, in other words, over 300,000 pounds of material for his display, and that from seven counties only. This work is all being done without any State aid, the people generally of the territory contributing of their own means to accomplish it.

General Sickles, of Colorado, writes that the miners and prospectors of his State are responding nobly to the calls upon them, and that he will take to New Orleans from there such a display of ores and bullion as to electrify the world, and create a new boom in all his mining districts. The papers of the Pacific Coast States have been publishing items that foreshadow similar displays in that part of the country, and, writes the correspondent whom we have already quoted, "I think it goes without saying that from Lake Superior to the Pacific Coast, every district in which the precious metals are found will make a superb showing."

The danger to the South must now be apparent to the dullest mind. Suppose New Mexico, Colorado, California and other Western or Southwestern States make such magnificent displays as to surpass the exhibits from the various Southern States, the result would necessarily be to injure the latter and vastly benefit the former; the tide of capital and immigration now pouring into the South would be largely turned to these new places. This danger is real and it must be met.

The New Orleans Exhibition is to be held on Southern soil and managed by Southern men, and it must be made an exponent of the vast resources of the South. Competition from every source should be warmly welcomed, but there should also be a determination that the displays from Southern States shall surpass in magnitude, in variety, and in beauty of design, anything that it is possible for any other section to present. This occasion demands the supreme effort of the South in showing up her boundless riches, and we trust that every paper in the South and every individual interested in the welfare of that section will put forth their most vigorous efforts for the accomplishment of this great work.

The Old Flag and Protection.

"I am for the old flag and Protection," said one of the leading Baltimore preachers—one who, be it said to his credit, never touches on political matters while in the pulpit—a few days ago in his Wednesday evening lecture, and then the editor—for even editors sometimes attend church—concluded to forego his usual church-nap and listen. Now, thought he, we are going to have something good; here is this good old Democratic preacher proclaiming that he is for "the old flag and Protection," and the editor's smile broadened out into a grin. "Yes," said the preacher, "I am heartily in favor of the 'Old Flag and Protection,' but—my 'Protection' does not refer to your tariff matters, for I admit I haven't sense enough to understand your tariff questions. I read one argument in favor of a high tariff and say to myself that writer is correct, evidently a high tariff is just what we need, and then comes along another paper advocating 'tariff with incidental protection,' and then I am fully convinced that that is just the thing; later on I find somebody advocating a 'tariff for revenue only,' and he seems to argue pretty fairly, but by that time I am too much muddled to know what I believe. Still I am for the 'Old flag and protection'—for the old flag as the symbol of our glorious country, which is so rapidly developing in wealth and population, and for protection for our homes, our property and our citizenship from the dangers that now threaten them. All around us lives are being darkened and homes saddened by unchecked and unpunished criminals, and our property—or at least that of those who have any—is in constant danger from officials in high places; for if a man steals fifteen dollars he is sent to the penitentiary, but if he appropriates fifteen million he stands a good chance of buying freedom and also position in society. These dangers seriously menace the welfare of our country. And then there is another danger, and that consists in the disposition of the best element in all communities to leave the management of political affairs—upon which rests the future of our country—in the hands of the professional politicians. We need Protection from all these evils."

And then the editor would have resumed his nap, but it was time to go home.

* * * * * *

Undoubtedly the preacher was right as to the need of protection from these evils, but then there is another protection that this country needs, and that is protection from the dangers that threaten not only the vast industrial interests of this country, entailing untold disasters upon all branches of trade, but which also threaten to drag the workingmen of the United States down to the level of the laboring classes in the Old World. It is useless to deny that these results would follow the adoption of free trade, or, as some prefer to call it, a tariff for revenue only. There is no other nation upon the face of the earth that is making such marvellous strides of progress in science, in arts, in education, in population, and in wealth, nor is there any other great country in which the general condition of the mechanics, the farmers, and the day-laborers—the three classes that constitute the great mass of our people—is so uniformly good. Dullness in trade we of course have now, as we have had at times in the past, and as we will have at times in the future; but of that long night of depression in England, that seems to know no end, that has been deepening in gloom for a number of years, we know very little from experience. England, with her peculiar advantages outside of any possible tariff influences for foreign trade, finds her ship-yards comparatively idle, hundreds of thousands of tons of her iron shipping laid up because expenses cannot even be met, her cotton mills, her silk factories and her varied iron industries stagnant, and yet she has had the full benefit of free trade. Her markets are overstocked with goods for which no purchasers can be found. And yet we are asked to adopt her policy and do away with that protective system to which, regardless of political feelings or prejudices, is undoubtedly due, in a large measure, the marvellous progress of the United States during the last fifteen or twenty years.

XUM

New England Manufacturers and Mechanics' Institute.

The New England Manufacturers and Mechanics' Institute, with a capital stock of one hundred thousand dollars, was chartered on April 11, 1879. Subsequently the amount of stock was increased to two hundred thousand dollars, and, mainly to bring the stock within the reach of the humblest mechanic, the par value of the shares was fixed at twenty-five dollars. One hundred dollars, or four shares, constitutes a full membership, which entitles its holder to be admitted, as a spectator, free to all the expositions of the Institute, with the privilege of exhibiting goods free of charge. The membership consists now of over twelve hundred leading manufacturers and mechanics, and is still growing. The lot upon which the Institute Building stands comprises a total area of over 400,000 square feet. The Exhibition Building, with boiler-rooms, etc., covers 213,000 square feet, or about five acres. The structure is a vast affair, resting upon a solid foundation, and is of the most substantial and modern construction throughout. Furthermore, it combines elegance of architecture with a perfect adaptability to the uses for which it was designed. The exterior presents an imposing appearance; and the well-lighted interior, as there is a vast number of windows, is a pleasure to the eye. The building is heavily timbered,



the trusses of the roof, galleries and supporting columns are of wrought iron, and the structure is considered essentially fireproof. From the entrance on Huntington avenue, the first floor runs back 134 feet, upon the same level as the street, and under this portion of the building is a basement 134 by 384 feet. Beyond this basement, the first floor is brought down to a lower level, with broad steps descending thereto; and this latter area forms the main hall of the structure. The area of this great apartment is nearly one hundred and seventy-five thousand square feet; but perhaps a better idea may be obtained of its size by digesting the statement that it will seat over one hundred thousand people. Through the center of the hall runs a nave one hundred and twenty-six feet wide, and eighty feet high from the floor to the apex of the roof, the roof sloping to the sides of the hall, which are twenty-six feet high. Over the vestibule, gained by two broad staircases, is the Music Hall, which contains nearly thirty thousand square feet, and is capable of accommodating ten thousand people. Of the galleries it may be said that they are sixty-three feet wide, and extend from the Music Hall quite around the building. The total area obtained for exhibition purposes is about ten acres. The total length of the structure is nearly six hundred feet; and, standing at the front of either of the end galleries, a view can be obtained of the entire interior of the building, owing to the fact that there are no partitions.

The first exposition of the Institute was opened with great *éclat* by Gov. Long, in the presence of a large assemblage of influential citizens and men of note and position from all parts of the country. It is not necessary to enlarge upon the three expositions of 1881, 1882 and 1883. The multitudes of people who have visited them year after year are fully aware of the fact that each successive exposition has been an advance upon its predecessor; and such an enlargement would only weary the reader, and can be gathered from the press of New England, which, from the inception of this enterprise, has always recognized the efforts of the management to represent the progress of each year for the study and amusement of the people. The policy of the Institute has necessarily broadened with experience, and will, it is hoped, continue to do so. It was formed upon a purely democratic principle, and is essentially an institution of the people and for the people.

Regarding the coming fair of 1884, the management have to report that, without extraordinary announcements having been made, they are in receipt of a larger number of applications than they have had in any previous year at the same time. They are doing what they can to interest the South and West to exhibit their products, and hope to present next fall a creditable display. They have agents in Mexico, who report an interest greater than expected. They desire to call the attention of the women to the fact that the Woman's Department, opened last year, was a great success, and that it is a strong desire on their part that it assume even greater and more important features during this year and in the future. They would here show for the encouragement of struggling women what their companions are doing to help themselves.

In the art department of the Institute, which is in the charge of John M. Little, vice-president, and Frank T. Robinson, art director, the same liberal theory of receiving every worthy work is the rule; and nothing which is at all creditable will be refused as long as there is space. The artists as far as heard from express great interest in the galleries of 1884; and so many promises have been received that the managers feel justified in saying that the exhibit will equal, if it does not surpass, all former ones held in the Institute. For the fair of 1883 a grand catalogue was issued in this department, at a cost of many thousands of dollars. Its object was to show the status of American art as it existed at the period of its issue. The management observe that there is in America a strong and growing interest in art, and recognize and encourage that sentiment by most liberal expenditures. They will issue in connection with the fair of 1884 an elaborate art-book, which they propose to call "The Institute Art Annual," which will be devoted to the art interests of the country, and will show the progress of the fine arts in America during the past year. All those interested are invited to address the Art Department of the Institute at the office in Hotel Pelham.

This year special effort will be made to interest all classes. The critics, the lovers of the spectacular, the æsthetic, and the tragic, will be sure to find many objects in accord with their temperaments.

It is the purpose of the Institute management to make the exhibition of 1884 as grand and instructive as any of its predecessors, and to add many new special exhibits and features.

They believe that the true policy of a great industrial fair is to educate; to advance the condition of all classes; to make its influence felt in the home, the shop, the studio, the mine, and the field; to unite ideas with demonstrations; to unfold thoughts by presenting facts.

The principal features of this year's exhibition will consist of a grand display of the productive resources of our country from all sections. The arts and sciences will be more fully represented than ever before, and the inventive minds of native talent will show improvements that have occurred during the past year.

The facilities of the Institute have grown by extensive experience, and the utmost liberality will be extended to those of its patrons who avail themselves early of an opportunity to obtain space. Particulars as to space or any other information wanted can be obtained from Mr. John M. Little, Boston.

Future of the South.

"The future of the South cannot be told in a single newspaper article," said Mr. J. F. Durham, of the Queen and Crescent Route, to a Commercial Gazette reporter in Cincinnati, Saturday. "Upon the contrary, it would take volumes. I do not believe it within the power of the most imaginative brain to truthfully predict the importance and future wealth of the Southern country, and the prominent place it will before many years occupy in the commercial world of the nation. When we take into consideration the marked evidences of progress which have taken place within the last five or six years, and to that add the abundant natural resources of the soil, together with the energy of the people, aided materially by the large volume of emigration that is now seeking a habitation and a home in the South, there are numerous reasons for believing that section of the country will in time become as wealthy and as densely populated as has the West. It is a mistaken idea to think there is no emigration southward-bound. There is not a day passes when we do not have from five to twenty-five farmers and mechanics of the North, mostly from the States of Ohio, Michigan, Indiana, Illinois and West Virginia, over our road for points in the South in search of land and locations. And, what is best of all, the majority of those who go South in search of land do not return without having made purchases. This, you see, serves as splendid evidence for a healthy and progressive future. Lands are cheap as well as productive, and, with the proper cultivation, there is no reason why every hill and valley in the South will not in the next few years blossom like the rose. When I tell you that our office receives an average of 100 letters a day for rates, etc., from people talking of emigrating to either Georgia, Tennessee, Alabama, Mississippi, Louisiana, Florida, or the Carolinas, I am not exaggerating. It is a steady and growing feature, and through it the South will be greatly benefitted. Of course, we offer to the land explorer the benefit of reduced rates, and why should we not? Western roads have always given the emigrant special inducements to stick his tent upon the Western plains, and the farmer and mechanic seeking homes in the vine-clad South should be equally favored. If emigration to the South increases for the next five years in the same ratio that it has for the past two I think it safe to say there will hardly be an acre of tillable soil that will not be under a high state of cultivation."

ADVERTISERS wishing to reach the manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the BALTIMORE MANUFACTURERS' RECORD. We are always prepared to furnish proof of our claims as to circulation.

List of Patents.

The following patents were granted to citizens of the Southern States, bearing date June 17, 1884. Reported expressly for this paper by Louis Bagger & Co., mechanical experts and solicitors of patents, Washington, D. C.

300,429. Archer, B. F., Marietta, Miss. Machine for thrashing peas, beans, &c.
300,430. Archer, B. F., Marietta, Miss. Back-band buckle.
300,686. Bowen, T. J., and J. F. Barnes, Pickens, S. C. Cultivator.
300,442. Bowsky, Chas., Savannah, Ga. Device for controlling the inlet and outlet pipes of a bath-tub.
300,577. Coleman, J. L., Wattsborough, Va. Rotary peg-cutter.
300,578. Dahmer, John, New Orleans, La. Boiler.
300,757. Gathright, J. B., Louisville, Ky. Check-hook for harness saddles.
300,358. Gathright, J. B., Louisville, Ky. Harness.
10,489. Johnstone, H. L., Palmetto, Ga. Car-coupling.
300,387. Miller, R. T., Covington, Ky. Key-fastener.
300,632. Oneal, C. W., Henderson's Cross-Roads, Tenn. Back-band hook.
300,739. Savage, B. O., Scotland Neck, N. C. Cotton harvester.
300,649. Sherman, Josiah, Atlanta, Ga. Cultivator and cotton chopper.
300,650. Sherman, Josiah, Atlanta, Ga. Cultivator and cotton chopper.
300,533. Thompson, F. B., Beaumont, Texas. Gage for adjusting planer-knives.
300,411. Tisdale, R. H., Sumter, S. C. Horse-power.
300,420. Watson, J. E., Louisville, Ky. Regulator for dynamo-electric machines.
300,425. Wise, David, Cottondale, Texas. Mechanical power.

"Gilbertson's Old Method" Extra Quality Charcoal Roofing Plates.

"Gilbertson's Old Method" roofing plate, guaranteed by the maker, equal in quality and coating to any plate offered to the public.

The "Gilbertson's Old Method" is manufactured by the same method as the so-called "Old Style," "Old Process," "Redipped or Double-Coated," etc., etc.

The sheets are carefully rolled, assorted, and perfectly square.

The plates are mottled, and have a fine surface, which must recommend this brand to the trade.

The coating of the 14x20 contains 18 pounds of metal to the box, and the 20x28 contains 36 pounds of metal to the box.

Those who wish to use a strictly first-class heavy-coated roofing plate in every particular should use this brand. We believe it to be as heavily coated as any plate in the market, notwithstanding the advertisements of other plates of this grade to the contrary.

We are the direct importers of the "Gilbertson's Old Method" extra quality roofing plates from the works. While we have always recognized as a fact the "M. F." roofing plate as being the finest terne plate made or imported into this country, the maker of the "Gilbertson's Old Method" guarantees to us that his plates are equal to the "M. F.," and while other importers are issuing circulars accusing others of "fraud" in copying brands, claiming that "theirs is the best plate made," also of fabulous sales, and making statements in the advertising columns of trade journals which it would be extremely difficult for any one to prove, we simply desire to lay before the public the fact that we are willing to leave the question of the quality of our plate being equal to any made with the consumer alone, who is the proper judge as to the value of the article he uses, and in whose judgment the decision must finally rest as to whose plate is the best and cheapest, regardless of all buncombe advertisements.

We earnestly desire all those requiring the very best roofing plate to give us an opportunity to ship them a sample box, in order to test the quality of this superior plate, as we purpose making no fancy prices on same.

We believe that this plate will supersede many of the other brands, which we feel satisfied are not equal to "Gilbertson's Old Method."

Write for our prices. Remember that the sample box sent on application will be guaranteed equal to any in the market, or held subject to our order.

Merchant & Co., importers of tin and terne plates, 525 Arch street, Philadelphia; 90 Beekman street, New York. ‡

Southern Pig Iron.

An article which we reproduce from the MANUFACTURERS' RECORD, of Baltimore, strikes the key-note to the future development of the iron sections of the South, and is applicable to our own section. What we need is establishments to consume the pig iron upon the spot where it is made, instead of its being shipped northward at heavy freights, then to be manufactured and returned for use. It seems that this fact, if generally understood, would result in attracting rolling mills, bridge works and other similar industries, for with cheap iron at hand they would be able to undersell all competitors less favorably situated. We hope that this will soon occur.—Roanoke, Va., *Leader*.

☞ *Subscribe to the Baltimore Manufacturers' Record. Price, $3 per year.*

Shears and Scissors.

It is not many years since that the United States were entirely dependent upon England and Germany for all kinds of shears and scissors. The tables are turned, and we are now "Sending coals to Newcastle," by an increasing export trade in such goods, the quality of which far surpasses that of the foreign articles. By improved methods of manufacture the American workmen produce shears and scissors which, for cutting properties, cannot be excelled, giving them their well-earned name of the "diamond edge." The durability of these goods is remarkable, as well as the perfect ease with which the shears are manipulated, the handles being molded to fit the hand, and, therefore, justly to be called "glove-fitting."



LADIES' SCISSORS.



POCKET SCISSORS.



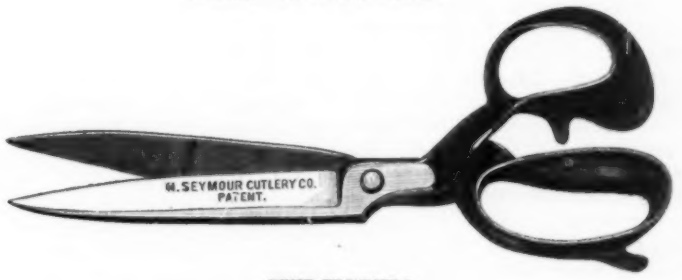
BANKERS' OR PAPER SHEARS.



STRAIGHT TRIMMERS.



BANKERS' OR PAPER SHEARS.



BENT TRIMMERS.

The Henry Seymour Cutlery Co., 84 and 86 Chambers st., New York city, and Holyoke, Mass., established in 1839, is the largest manufacturer of such goods in the United States, producing from 2,400 to 2,600 dozen monthly, making over 150 kinds and sizes, from the small 4-inch pocket-scissors to the ponderous 16½-inch tailor shears. This company uses the best of all materials in manufacturing its goods, and by a careful inspection by experienced men over the various processes of manufacture, is enabled to produce perfect goods. All of its shears are warranted, the material used being made especially for it, and with pride it can say that it is all produced in the United States, and of better quality than was formerly imported. Instead of Sheffield steel the company uses that manufactured in Pittsburgh, Pa. In place of Wickersly grindstones, its frames are filled with those from Ohio. Manufactured imported borax has given way to the natural production from California. Files made from American steel, and cut in the United States, replace the imported ones, and so on through a long list of material used in the shears manufacture. Knowing the requirements of the trade, the Henry Seymour Cutlery Company is prepared to execute all orders with thoroughly American goods with promptness and that carefulness requisite to meet the requirements of all demands.

Illustrations are given of some of the different forms of shears and scissors produced by the company.

Catalogues and prices will be furnished upon application to the Henry Seymour Cutlery Co., Holyoke, Mass.

Southern hardware dealers will find it to their interest to investigate the merits of these goods.

West Point, Mississippi.

An Inviting Field for Manufacturers.

Editor Baltimore Manufacturers' Record:

It is gratifying to see that your request for letters from the South presenting the attractions of its towns and cities, and the progress they are making in manufacturing enterprises, is receiving so many responses. Your efforts in this direction must result in great good to our section.

There is no more inviting field for the manufacturer in all the South than here in East Mississippi, and the beautiful, progressive little city of West Point possesses so many attractions and advantages that it must in a very few years become a great manufacturing centre. This town is beautifully situated upon an elevated plateau, and is noted for its healthfulness. Its citizens are probably the most public-spirited and enterprising of any town in the State, and are prompt to give an active support to every deserving enterprise that is calculated to build up the town. In fact, they fully appreciate the advantages of their location, and are putting forth every effort to keep up with the progressive spirit of the times.

A cotton factory is greatly needed here, and capitalists in Baltimore and other Eastern cities who design establishing factories in the South should inform themselves of the attractions which West Point offers for such enterprises. Our people do not possess capital sufficient to build and operate cotton factories, but they will co-operate with and support Eastern capitalists who may come, as far as they are able.

The advantages which West Point possesses are:

1st. Superior railway facilities. It is the crossing point of two great railroads, the Mobile & Ohio and the New Orleans & Nashville. The latter is a new road just completed to this place from the South, and will be extended speedily to Nashville, Tenn. It forms a part of the Illinois Central system. The Memphis & Columbus, which is an extension of the Kansas City & Memphis, will cross the above roads at this place, and will be built within two years. Still another road is in contemplation, and will undoubtedly be built—from Grenada, Miss., via West Point, to Birmingham, Ala. This road will tap the rich iron mines of Lamar county, Ala., 25 miles east of West Point, and the coal fields of Fayette county, 30 miles farther east.

2d. The country surrounding West Point is unsurpassed in fertility. The cotton produced in this immediate section is of superior quality and much sought after by English and Eastern spinners. One farmer in this county, Mr. A. A. Simpson, has taken over $1,500 in premiums on cotton at fairs held in Memphis, Louisville and Huntsville, and will have several bales at the New Orleans Exposition. Corn, oats, clover, grass, etc., are produced here in great abundance, and for dairying and fruit and vegetable farms this section is specially adapted.

4th. The timber resources of this section are very great. All the timber required for manufacturing purposes are found here in immense quantities and of superior quality.

West Point only needs a cotton factory and a few other factories, with the addition of the desirable classes of citizens which such enterprises will bring, to become one of the most prosperous cities in the South. With a population of 3,000 a very large trade is carried on here; 14,000 bales of cotton were shipped from the place last season, and with our increased railroad facilities this number will be more than doubled next season. A cotton-seed oil mill and a cotton compress, owned by our business men, have been in successful operation several months. Buildings are going up in every direction, some fifteen brick stores and opera house will be built this summer, besides quite a large number of dwellings. Indeed, the capitalists who desire to establish factories at a healthful point, in the midst of one of the richest sections in the South, where the raw materials are produced in immense quantities, and where factories can be cheaply operated, should come to West Point.

If further particulars are desired I will take pleasure in answering fully by letter.

W. H. WORTHINGTON.

West Point, Miss., June 16, 1884.

CONSTRUCTION DEPARTMENT.

We publish, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

J. K. Vaughan, Wilmington, N. C., is drawing the plans for the new hotel to be erected there, previously reported.

The Metropolitan Street Railroad Co., Atlanta, Ga., will extend its lines, build a new stable, &c.

John De Fred will build the jail at Macon, Ga.

A new jail will soon be built at Lawrenceville, Ga.

The Richmond & Chesapeake Railroad, previously reported, has been fully organized at Richmond, Va., with C. E. Belvin president, and S. G. Tinsley, Secretary, to build 70 miles of road.

A survey will soon be made for the proposed Memphis & Columbus Railroad.

Alex. Hamilton, Petersburg, Va., president, invites proposals till July 3 for building engine house, for gas machine, piping, &c., for Central Lunatic Asylum.

J. J. Flood, of Atlanta, will build a $25,000 court-house at Cuthbert, Ga.

An electric light company is being organized in Sherman, Texas.

Oliver Marble & Son, Birmingham, Ala., are preparing plans for a $6,000 church.

The boiler at Hobbars, Fields & Davis' brick-yard, Albany, Ga., exploded, doing considerable damage.

The Upper Appomattox Canal Co., Petersburg, Va., has been sold to Augustus Wright, R. R. Collier, and others, for $60,000, who will improve it for manufacturing purposes.

Turner & Oates, Meridian, Miss., are contemplating erecting new planing mills.

Wm. Rule, E. W. Crozier, and others, of Knoxville, Tenn., expect to build a $50,000 opera house.

Wesley W. Neal and Wm. A. Robinson, of Augusta, Ga., have organized the Augusta Electric Co., capital $10,000, to establish electric lights, &c.

The Kentucky Lumber Co., of Williamsburg, Ky., whose saw mills were lately burned, causing a loss of $60,000, are rebuilding.

Eames & Buerbaum, Salisbury, N. C., contemplate erecting a tobacco factory at Asheville, N. C.

Robert Winkler, Hickory, N. C., is putting brick-making machinery into his brick yard.

Latimer Bros., of Wilmington, N. C., will build the $150,000 hotel at that place, previously reported.

Aubrey Macbrien has been in Houma, La., making arrangements for building a moss factory 150 feet long and 40 feet wide. The machinery, it is reported, has been purchased for $13,000.

The Virginia Western Railroad has been organized to build a road through Southwestern Virginia to connect the Richmond & Alleghany and the Valley Railroads with the Southwest railroad system. John M. Kinney, of Staunton, is secretary.

Proposals are invited by Laidley & Hogeman, Charleston, W. Va., for building a brick and stone church.

It is a reported that the Massanutton & North Mountain Railroad, to run from Strassburg, Va., to some point on the Ohio River, will be pushed forward vigorously. The incorporators are J. D. Price, J. S. Harnsberger, Jos. S. Loose, Senator P. B. Plumb, of Kansas, and others. A meeting was held at Harrisonburg, Va., June 25, for permanent organization.

W. H. Clare & Co., Deerfield, Va., have just finished their $22,000 saw and shingle mill and stave factory.

The boiler of Jackson & Seers' saw mill at Bellton, W. Va., exploded, doing great damage.

J. G. Tucker, of Santa Maria, Tex., has built a sugar house 325x26 feet, and will put $54,000 worth of machinery in it.

S. A. & L. W. Downing, of Hagerstown, Md., will establish a steam saw mill in Pulaski county, Va.

The Baxter Manufacturing Co. has been incorporated in Newport, Ky., by W. W. Baxter, Chas. L Raison, John A. Williamson and others, to manufacture agricultural implements; stock $50,000.

W. H. Howard & Sons, Augusta, Ga., have commenced work on their large cotton compress, which is to be finished by fall. Will probably cost about $75,000.

The Baptists of Americus, Ga., will build a $7,500 church.

R. H. England has charge of building the compress previously reported at Eufaula, Ala., and is pushing it as rapidly as possible.

A wood-working company, stock $50,000, is contemplated in Huntington, W. Va. W. F. Wallace, I. R. Titus or J. H. Cammack can give particulars.

Another brick tobacco factory will soon be built at Reidsville, N. C.

A fish canning and a guano factory are talked of for Charlotte Harbor, Fla.

The Transit Railroad will build its new depot at Gainesville, Fla., at once and also make other improvements.

The Southwestern Arkansas & Indian Territory Railroad, stock $1,400,000, has been incorporated by S. C Martin, of Little Rock, and others, to build 150 miles of road.

The Pine Bluff & Swan Lake Railroad has been organized and money raised to build a 12-mile road from Rob Roy to Swan Lake, Ark.

J. H. Reynolds, Rome, Ga.; T. F. Howell, Rome, Ga.; A. P. Howell, Little Rock, Ark.; and C. H. Pope and M. W. Taggart, of Pine Bluff, Ark., have formed a company to build a cotton compress at Pine Bluff, Ark.; stock $50,000. Compress has been purchased.

The Lawrence Iron Co. has been incorporated in Maury county, Tenn.

Corpus Christi, Texas, is still talking of water-works.

Nathan Grafton, Forest Hill, Md., is enlarging his carriage shops.

The Shuford Gold-Mining Co., of Catawba county, N. C., will put in a pumping engine and other machinery.

Increased supplies of machinery will probably be put in at the Wilson mine, in South Carolina, and also at the Haile Gold Mine, Post-office, Haile Gold Mine, S. C.

A cotton-seed oil mill is probable in Eatonton, Ga. C. D. Leonard can give particulars.

W. B. Fewell, Rock Hill, S. C., has just had a new mill built.

It is reported that contract will soon be given out for grading the St. Albans & Boone County Railroad from Boone Courthouse, W. Va., to Walnut Gap, 35 miles.

Max Kosse will build a $11,000 schoolhouse in Houston, Texas.

One of the boilers in Wilson & Hunting's saw mill, Jack-onville, Fla., exploded, doing about $4,000 of damage.

The Beaumont Iron Works, of Beaumont, Texas, Crichton & McIntyre, proprietors, lately burned, are being rebuilt.

A large amount of money has been subscribed to build a new railroad from San Antonio, Texas, to Aransas Pass.

It is reported that the large machine shops to be built at Houston, Texas, for Mr. Huntington's road, previously mentioned, will soon be commenced.

The Peerless Coal Co., of Charleston, W. Va., has been incorporated by Walter B. Brooks, Wm. Keeley, and others; cash capital $5,000.

An ordinance has been introduced into City Council of Pensacola in favor of water-works.

The Dallas Factory, near McCormick, Abbeville county, S. C., burned in 1883, is being rebuilt for spinning thread. Will use about a bale of cotton a day.

Woodruff & Co., of Knoxville, Tenn., have purchased, through Geo W. Chambers, of Talladega, Ala., the Herd Marble quarry in Talladega county, and will work about 100 hands in getting out marble.

C. L. Hardwick, Cleveland, Tenn., will receive proposals for building a $10,000 school-house, previously reported.

Dinguid & Son, of Roanoke, Va., will at once erect a foundry at New River, Pulaski county, Va.

Dr. J. Campbell & Bro., of Jonesboro, N. C., will repair their flour mill at that place.

A. A. Harrington, Jr., of Fayetteville, N. C., will put improved machinery and cloths in his flouring mills, near Northington's Ferry, on the Cape Fear River. J. O. A. Kelly, of Broadway, N. C., who has the contract, will commence at once.

The incorporators of the electric light company, previously reported as organized in Huntington, W. Va., are R. A. Matthew H. H. H. Holswade, A. B. Palmer, L. G. Brown, Robt. Shore, B. W. Foster.

The Essex Land and Mining Co. has been incorporated in West Virginia, by New York and Boston capitalists; stock $500,000, reported all paid up.

Montague & Co., Chattanooga., Tenn., are erecting a mill for grinding fire clay, etc.

J. L. Driskill, Austin, Texas, has perfected arrangements for building the $25,000 hotel previously reported.

An Edison electric light company, stock $40,000, is being organized in Dallas, Tex.

The Sherman Mill Co., stock $35,000, has been organized at Sherman, Texas.

The new Centenary College at Lampasas, Texas, will cost $100,000.

A foundry and machine shop has just started at Greenville, Texas.

BURNED.

Robert Moore's mill, near Goldsboro, N. C.

A. Wilbert & Son's shingle mill at Plaquemine, La.; loss $20,000.

Saw mill, gin, &c., of L. M. Phelps, Washington county, N. C.; loss $5,000.

Andes Flour and Woolen Mills, Belleville, W. Va.; loss, $7,000.

Saw mill of L. M. Phelps, in Tyrrell county, N. C.; loss, $7,000.

Neches Cotton Gin and Cornmill Factory, at Neches, Texas.

Saw, flour and grist mill of Geo. L. Ballentine & John Riddle, in Lexington county, S. C.; loss $2,000.

Barrett Paper Mill, Bath, S. C; loss $25,000.

Small Industries.

Prof. S. Waterhouse, in his address before the National Convention of Fair and Exposition Managers, in St. Louis. June 3, in discussing the value of small industries, said:

"The industrial greatness of France springs not so much from the production of a few great staples as from an almost infinite variety of small wares. The aggregate value of the innumerable little articles which France manufactures startles the statistician and enriches the nation. The United States ought to emulate so thrifty an example. The adoption of such a policy would prevent the depression which menaces our agricultural prosperity, increase the opportunities of profitable employment and quicken all the movements of business. It is also an impressive fact that a diversity of occupations is the best safeguard against panics. When a people has but few industries their prostration involves the nation in universal disaster. But when there are many pursuits some of them will flourish in the midst of the revulsion and relieve the public distress.

The South, which has suffered so severely from a too restricted devotion to a few staples, has begun to adopt a wiser course. It is now building manufactories. Rich dividends prove the wisdom of the new investments. The South has learned from a costly experience the necessity and advantage of diversifying its employments. Its recent example should be imitated, with infinitely varied applications, throughout the length and breadth of our land."

The South is to-day a most inviting field for a great diversity of the smaller industries, and it is important that they should receive fully as much encouragement as is given to the few more prominent ones, such as cotton manufacturing and iron making.

What the Fulton Mill Does.

FULTON COTTON SPINNING CO.,
ATLANTA, June 19, 1884.

Editor Baltimore Manufacturers' Record:

DEAR SIR:—We enclose a statement of what we are doing in our mill, and would like to compare with other mills North or South. We are running 55 spindles to the hand and operate 1 7-10 loom to the hand, and turn out 125 yards of light sheeting to the hand. We have compared notes with some of our neighbors, and find we are turning out more work than some others. Please let us hear from such information as you may collect. We think you are rolling the ball in the right direction.

Yours respectfully,

JOS. ROSWELL KING, *Sup't.*

LOCKWOOD, GREENE & CO.

MILL ENGINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.

MANUFACTURING.

Subscribe to the Baltimore Manufacturers' Record. Price $3 per year.

BALTIMORE.

MR. WM. R. EMERSON, general agent Birdsall Co., is in daily receipt of orders for one or two complete outfits, and also for other goods he handles. The farmers have come to the conclusion that the goods he represents of the Birdsall make cannot be surpassed. Very flattering voluntary testimonials have been received attesting their value. Since the enlargement of the works and the increased facilities thus gained, one would naturally think they could meet the demand, but during the past month at the home office they have been compelled to run a night and a day force in order to fill the orders received.

MESSRS. WRIGHT & COLWELL, York street, report local business as bright, orders for work coming in very fast. They have a large force at work.

MESSRS. E. J. CODD & CO., machinists, report business as brisk on repair work; they have no new contracts to mention.

ON account of the increasing business o R. Swormstedt, general agent of the Ewart Detachable Belting Co. he has taken the large three-story warehouse No 48 S. Frederick street, where he will keep a larger and more complete assortment of this chain So well known is this chain becoming that the demand is greater now than it has yet been, which is entirely due to its merits.

MESSRS. W. J. CLARK & BRO., pattern makers and hydrant manufacturers, North Holliday street, are very much encouraged with the large bulk of business which has been done during the present season. The success of their hydrants has exceeded all expectations. Parties who have once used them are now placing their orders for a large number to be delivered this coming winter.

MESSRS. H. BALDERSTON & SON, wire railing manufacturers, note the same activity as last reported, there being in that line no cessation. They have now on their books orders sufficient to keep them running full for some months.

IN GENERAL.

THE Salem Iron Works, Salem, N. C., made a shipment on the 30th of May to Bankok, Siam, of one of Hege's Improved Saw Mills, a Phœnix Engine and Boiler, a wood planer, gumming machine, band saw and a knife-grinding machine.—Sentinel, Winston, N. C.

THE Philadelphia Textile Machinery Company is the name of a company recently organized in this city for the manufacture of machinery for the preparation of stock for woolen mills. The company is located at Bruner's Mill, No. 426 N. Twenty-third street, but it will build a factory in a suitable location early in the fall. The company's affairs are under the direction of Messrs. J. K. Proctor and J. Henry Knowles. The company will undertake shafting work in all its branches, as well as millwrighting and general jobbing. It will soon be prepared to supply an improved line of dusting, washing, picking, burring, feeding and Garnett machinery to the trade.—The Textile Record.

THE Cummer Engine Company shipped another one of their Ballantine Ice and Refrigerating Machines recently to the Robert Portner Brewing Co., Alexandria, Va., and will shortly ship two more of these machines to the Buffalo Co-operative Brewing Co , Buffalo, N. Y. The refrigerating machine recently shipped by the Cummer Co. to Albert Ziegele & Co., of Buffalo, has been started up with great success, and the purchasers are much pleased with its performance. The Cummer Engine Co. have just furnished a 225 horse power engine to the Amoskeng Mfg. Co., of Manchester, N. H., and will, in a few days, ship a 67-horse power engine to Messrs. Stules & Kile, of Orwell, O. The following orders have just been placed with the Cummer Engine Co.: A 55-horse power engine, with complete outfit, for Messrs. Todd & Hosford, Eugene, Ind.; one of 350-horse power for Carlton, Foster & Co., Oshkosh, Wis.; and a 55-horse power outfit complete for A. Dietly & Son, Moorheadville, Pa.

THE Chronicle and Constitutionalist, of Augusta, Ga., in speaking of the Pennsylvania Railroad, says: "We have heard of numerous instances where this magnificent corporation proved itself not only a great public benefactor, but specially kind and considerate to its many thousands of employees. An engineer of the railway gives his experience, which is that of many others, thus: "Up at Altoona I've got one of the prettiest little homes in Pennsylvania. It's all my own, paid for to the last dollar. But I'd never had it in the world hadn't the company given me a chance. They sold me the lot, and then built just such a house as I wanted on it. They buy all materials by wholesale, and that made it a pretty cheap house for me I gave 'em twenty-five dollars a month out of my wages till the whole house was paid for. So what, under other circumstances, I would have paid for rent purchased me a home. The company never asked nor received a cent of interest or reward for its investment. I'm only one of hundreds who have had the same opportunity."

We have heard it said that one secret of the success of the Pennsylvania Company was the enthusiastic and reciprocal goodfellowship of all the people who serve it. They have an affection for the corporation that treats them kindly, and never fail, in any emergency, to testify practically their admiration and gratitude. The steel rails that bind it to the continent are not more firm than the ties of pride and friendship existing between the highest officers and the humblest employes of that grand system of transportation."

Other corporations may well learn a lesson from the example of the Pennsylvania Railroad.

Need of Encouragement for Technical Education.

Three years ago a board of royal commissioners was appointed by the British Government to make a thorough investigation into the subject of technical education. In following out their enquiries the commissioners visited the leading European countries where technical schools are in operation, and one member visited this country. Wherever their investigations extended, they obtained full information as to how the methods of technical instructions were conducted, and they made it their duty to ascertain the effects that extending good technical instruction had upon the industries of a nation. The first volume of the report prepared by this commission has just been presented to Parliament. The thorough way the subject has been investigated may be inferred from the size of the report, the first volume of which covers 600 pages, and will be followed by five more volumes. The report indicates that great activity prevails in the leading countries of continental Europe to give the rising generation of artisans proper training in the technicalities of the business for which they are intended; and in many instances trades are extensively taught in training schools, the science of the business being imparted along with the methods of skill and handicraft. Many men interested in labor matters think this continental system of acquiring trades in schools the best kind of industrial training, and the commissioners regret that the plan has made so little progress in Britain.

While we admit that much can be said in favor of industrial schools, we do not look upon them as the best place for training youths in the trade they expect to gain their livelihood from. The system is popular in certain European countries, merely because there is a burning desire to train artisans, and few workshops or factories are in existence where the rising generation can learn trades by apprenticeship. An introduction to the use of tools may advantageously be made in schools, but the proper way to obtain the practice which lays a wide foundation for industrial knowledge is in the workshop. Britain and America occupy a similar position in the methods of training workmen. They both have plenty of workshops where thousands of young men learn a business by working as helpers or apprentices. As the greater part of these future workmen go to the trade while young, they are imperfectly educated, and the problem their best friends are trying to solve is how to instruct them in the technicalities of their calling. Britain says emphatically this must be done by means of evening schools. Every facility of this kind is being provided for the young artisan, and he is given great encouragement to attend the classes and interest himself in the studies where the best of teachers help to smooth the road to knowledge. Encouraging and developing this form of education is properly regarded as a national affair, and government provides the teachers and the municipalities supply the schools, while numerous valuable prizes are given as a reward of special merit. Some of these prizes enable boys who exhibit special ability to obtain appointments where the means of high scientific education are provided.

This is the line that ought to be followed in behalf of our rising artisans. We have established excellent technical schools in various States, but workmen receive no benefit from them. The great want of our country is evening technical schools, where young men may be encouraged to study the scientific principles underlying the business they are engaged working at during the day. Many young men are striving hard and laboring under adverse conditions to obtain knowledge that will aid them to a higher conception of their work, and our State governments look on with apathy, rarely offering a helping hand to those who are likely to be our most valuable citizens. If this country is going to maintain its place in the industrial struggle for existence, more encouragement must be given to imparting technical instruction to those who must bear the brunt of the battle.—American Machinist.

Wool Manufacture in the South.

BY I. W. AVERY.

[For the Baltimore Manufacturers' Record.]

There are in the Union 2,689 establishments that make woolen goods of various kinds, viz: woolen fabrics pure, 1,990; fitted fabrics 26, worsted goods 76, carpets 195, wool hats 43, hosiery and knit goods 359.

Strangely enough, from 1870 to 1880 the woolen manufacture fell off 202 factories, and there were 814 establishments that went out of existence. The woolen manufacture has needed the best appliances and most economical management to make it profitable. The tendency has been to a concentration of capital in large well-managed mills, with the most improved machinery. And in spite of the reduction in the number of establishments there has been a steady increase in the products of woolen manufacture.

One marked feature of woolen manufacture is, the capricious changes that occur in fashions, which throw out of salability stocks of goods, thus preventing the realization of profit.

The following table will give the raw material used in the whole country in woolen manufacture:

	Pounds.
Woolen goods	274,669,570
Worsted goods	43,337,150
Felt goods	10,300,223
Wool hats	9,536,919
Carpets	26,374,879
Hosiery	30,216,238
Total	404,434,978

Of this material 222,991,531 pounds were domestic wool and 73,200,698 pounds foreign wool, and in the woolen fabrics the amount of 48,000,857 pounds of cotton were used.

The general result of woolen manufacture stood in 1880:

Kinds.	No. Estab.	Capital.	Hands.
Woolen	1,990	$86,095,564	173,078
Worsted	76	20,374,043	37,606
Felt	26	1,958,254	3,048
Wool hats	43	5,615,830	10,940
Carpets	195	21,468,587	40,742
Hosiery, &c.	359	15,579,591	57,770
	2,689	$159,091,869	323,114

	Wages.	Materials.	Products.
Woolen	$25,836,392	$100,845,611	$169,606,721
Worsted	5,683,027	22,013,628	31,549,942
Felt	439,700	2,580,710	3,619,652
Wool hats	1,893,215	4,785,774	8,516,869
Carpets	6,835,218	18,984,877	31,792,802
Hosiery, &c.	6,701,745	15,210,967	29,167,227
	$47,389,087	$164,371,551	$307,253,913

Now let us see how the South stands in the manufacture of woolen goods:

	Estab.	Capital.	Hands.
Alabama	14	$ 28,900	18
Georgia	33	180,733	143
Kentucky	98	860,750	823
Maryland	14	333,760	313
Mississippi	8	331,500	218
North Carolina	49	903,100	185
South Carolina	11	7,900	13
Tennessee	106	418,664	402
Texas	1	97,500	36
Virginia	48	476,780	765
West Virginia	55	288,170	353
	436	$3,342,727	2,868

	Wages.	Materials.	Value Products.
Alabama	$ 3,037	$ 49,361	$ 63,745
Georgia	25,070	165,065	239,390
Kentucky	166,189	925,405	1,364,988
Maryland	59,491	394,734	488,308
North Carolina	23,195	255,707	280,605
South Carolina	5,300	19,455	34,075
Tennessee	67,093	423,054	630,784
Texas	25,700	44,435	80,500
Virginia	71,729	382,080	577,968
West Virginia	44,161	245,483	356,086
	$540,899	$3,016,415	$4,276,449

HOSIERY, &C.

	Estab.	Capital.
Maryland	1	$ 250
West Virginia	1	5,000

We had in the South 436 establishments, with $3,242,727 capital, employing 2,868 hands, requiring $540,899 of wages, consuming $3,016,415 of material, and making $4,276,449 of products. The relative standing of the South with the balance of the Union in woolen manufacture was as follows:

Establishments.	Capital.	Hands.
2,689	$159,091,869	323,114
*436	*3,242,727	*2,868
2,253	$155,849,142	320,246
Wages.	Materials.	Products.
$47,389,087	$164,371,557	$307,253,913
*540,899	*3,016,415	*4,276,449
$46,848,188	$161,355,142	$302,976,464

*The South.

Of the woolen manufacturing of the country the South in 1880 had only one-fiftieth part of the capital, one one-hundred and sixtieth part of the hands, used one fifty-fifth portion of material, and produced one sixty-sixth of the woolen articles manufactured. This is a very small proportion, and indicates how far behind the South has been in this woolen industry.

This deficiency is being remedied. The South is admirably adapted for wool raising, and there is no reason why woolen manufacturing should not become a large industry among us. Woolen fabrics require the highest mechanical skill, and mark an advanced stage of manufacturing progress. We shall in time see the South up in this as in other manufactures.

Big Crops.

The wheat crop of this county and this section is unprecedentedly large. Speaking for Iredell we are safe in saying that one-third more wheat has been harvested this year than ever before. The quality of the grain is excellent, but it is not in that alone that the increase consists. The acreage was never before near so large.—*Landmark*, Statesville, N. C.

The above is a sample of hundreds of the same kind that can be found in Southern papers from Maryland to Texas.

IN this issue will be found an interesting letter from West Point, Miss., one of the growing towns of the South, and one that apparently has a most prosperous future before it. The *New South*, an enterprising, wide-awake journal, devoted especially to the interests of Mississippi, though working for the whole South, is published in West Point. It is doing splendid immigration work for the Southern States.

THE MARKETS.

OFFICE MANUFACTURERS' RECORD,
BALTIMORE, June 26, 1884.

Financial troubles, especially of large capitalists and moneyed institutions in the North, continue to exert a depressing influence upon legitimate business interests, and, as the usual summer dullness is now upon us, not much improvement in trade is looked for till later in the summer. The indications for abundant crops are still flattering, and when they are gathered more activity in business matters may be looked for.

Trade has been about as last reported, with no change in prices. The furnace and rolling mill men throughout the country are shutting down, and will not resume until better prices can be obtained. This will shorten the production, and may have a tendency to advance stock on hand. We quote as follows:

Ref. Bar Iron, 1 to 6x⅜ to 1	₩ lb.	1.9@ 2 c
" " 1 to 4¼x1¼ to 1	"	1.9@ 2 c
" " ¼ to 2, round and square	"	1.9@ 2 c
Hoop Iron, 1¼ wide and upward	"	2.8@ 3 c
Band Iron, from 1¼ to 6 in. wide	"	2¼@ 2.6c
Horseshoe Iron	"	3.2@ 3.3c
Norway Nail Rods	"	5 @ 5¼c
Black Diamond Cast Steel	"	10 @ 11 c
Machinery Steel	"	4¼@ 4¾c
Spring Steel	"	3½ @ 4 c
Common Horse Nails	"	10 @ 11 c
Railroad Spikes, 5½x9-16	"	2.5@ 2.6c

The demand for pig iron is moderate, and prices as last quoted, viz:

Baltimore Charcoal Wheel Iron (all Baltimore ore)	$28 00@29 00
Virginia C. B. Charcoal Wheel Iron	28 00@— —
Anthracite, No. 1	21 00@23 00
" " 2	20 00@21 00
" " 3	18 00@20 00
" Mottled and White	16 00@17 00

Philadelphia Iron Market.

PHILADELPHIA, June 23, 1884.

Philadelphia structural iron manufacturers are expecting to secure a contract for upwards of a thousand tons of iron for the Detroit Bridge Company. A few small orders are likely to be placed this week; the mill men manage to keep going, and there is a large amount of work in hand, with strong probabilities of a great deal more being placed during the summer. It is unnecessary to repeat the statement that prices are desperately low, and that there is not much in making iron of any kind at present. The best news the manufacturers of bar and sheet iron have to give is that a fair amount of business is coming in in small lots, and that they are getting as good prices this month as last; the fact is there is no room for further cutting of rates. Iron has evidently reached rock bottom. Some of the sheet manufacturers report the receipt of a good deal of small business. Something has been done in wrought pipe; two or three good shipments of cast pipe will be made next week.

No. 1 pig iron is nominally $20, though good buyers pay less. Forge iron has been bought at $17 delivered, and some special makes sell well at $18. Steel rails are still edging their way downward, and it is a question whether large blocks could be secured at much over $31, winter delivery. There are some prospects of the Brooklyn Cable Road coming to market for material.

Nails are weak, and a suspension is probable for a short time during the summer. Steel nails are called for in several markets, and their manufacture will probably be undertaken. A good deal of barbed wire has sold during the week.

A good many lots of old rails and scrap have been disposed of during the week at from $18 to $19 for rails, and $20 to $22 for scrap. A good deal of steel and iron wire and tin plate are reaching New York on old orders, and prices are declining in consequence of home competition.

Cincinnati Iron Market Report.

Specially reported by E. L. HARPER & Co.

CINCINNATI, June 23, 1884.

There is no disguising the fact that business is dull. Though the rolling mills reached an amicable adjustment with their employees as to the wage-scale, the large majority are closed down, some for repairs, others for want of sufficient orders to run. The foundries are generally making under their capacity. Thus consumption is following behind production, and buyers are afforded extremely favorable figures by the furnaces unable to pile their product. The suggestion that the furnaces ought to blow out and prevent additional accumulation is more easily suggested than carried out.—With many to stop, would be to "shut down," and while the protraction of the prevailing depression will necessitate "reorganization" in many places, hope inspires every maker to hold on with the expectation of the revival that "some day" must come. Were it not for the protection our tariff is affording us, the crowded furnace yards of Great Britain would be quickly relieved in emptying upon our shores sufficient amounts of their cheap labor products to seriously increase our existing burdens. But the cloud has its "silver lining," the low prices of crude iron is stimulating architectural building, railroad extension and equipment. The crop prospects are most flattering, and the grain traffic of the railroads means a general sympathetic and consequential improvement in merchandising, so that the prosperity of the railroads and the farmers must augment the welfare of the merchants and manufacturers of the country in general. The local trade is only moderate, and the following figures indicate the prices current. We repeat:

FOUNDRY.	Four Months.
Hanging Rock Charcoal, No. 1	$22 00@23 00
" " " " 2	20 00@22 00
Strong Neutral Coke, " 1	18 00@18 50
" " " " 2	17 00@17 50
American Scotch, " 1	18 00@18 50
GREY FORGE.	
Neutral Coke	16 00@16 50
Cold Short	15 50@16 00
CAR WHEEL AND MALLEABLE.	
Hanging Rock, strictly cold blast	26 00@27 00
" " " warm "	23 00@24 00
Lake Superior Charcoal, all grades	24 00@25 00
South. Car Wheel, strictly cold blast	26 00@26 50

Louisville Iron Market.

Specially reported by GEO. H. HULL & Co., Commission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., June 23, 1884.

The market continues quiet, but volume of sales very satisfactory. There has been some slight fluctuations in prices, as noted in quotations below, which are on cash basis for round lots:

PIG IRON.	
Southern Coke, No. 1 Foundry	$18 00@18 75
" " " 2 "	17 00@17 50
Hanging Rock Coke, No. 1 Foundry	18 50@19 50
" " Charc'l, " "	23 00@23 00
Southern Charcoal, No. 1 Foundry	18 50@19 50
Silver Gray, different grades	15 00@17 50
Southern Coke, No. 1 Mill, Neutral	15 50@16 00
" " " 2 " "	15 00@15 50
" " " 1 " Cold Sh't	15 00@15 50
Southern Charcoal, No. 1 Mill	16 50@19 00
White and Mottled, different grades	14 00@14 50
Southern Car Wheel, stan'd brands	26 00@26 50
" " " other brands	22 00@24 00
Hanging Rock Cold Blast	27 00@28 00
" " Warm "	21 00@23 00

Specially reported by W. B. BELKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods.

LOUISVILLE, KY., June 23, 1884.

The bar iron market has lapsed into a state of stubborn resistance. There is absolutely no more give to prices, though demand is dull enough to develop it if any were possible Some mills are even asking more than they did in May, as if desperation caused a slight rebound. While, as we say, demand for immediate delivery is light, there are fair inquiries for July and August, which go to insure us against profound dullness.

Sheets are quiet. No advance has been or is likely to be realized on purchases made this spring at what seemed then an absolutely low figure. Hoops and bands are still in the hands of the association, with some slight shading by outside mills. This is not sufficient, freights being taken into consideration.

Nails are shading off little by little. The decline has been so graded that it has been hard to measure by an ordinary level of observation. We must take two points of time some ways apart to appreciate the grade.

Barb wire is firm at a slight decl ne. A good trade may be looked for this autumn. Plain wire has not changed. General trade is fair; and while we may have to endure a season of quiet, the grand crops give promise of a large volume of trade later on, which even the rabid politicians will not be able to diminish.

Chattanooga Iron Market.

Specially reported by S. B. LOWE.

CHATTANOOGA, TENN., June 23, 1884.

The weather has turned dry and hot, and no improvement in business circles, and money tight. The rains have ceased, and we are now having very dry and warm weather, which is very favorable to farmers in their harvests. Business of all kinds is very dull, and money close in commercial circles. We continue quotations as last:

No. 1 Foundry	$17 00 @18 00
No. 2 Foundry	16 00 @16 50
Gray Forge	14 00 @15 00
Car-Wheel Metal	22 00 @24 00
Nails, car-load lots	2 25 @— —
Bar Iron	1 70 @— —
Old Rails	nominal.
Wrought Scrap, No. 1	14 00 @— —
" " No. 2	11 00 @— —
Cotton Tie Clippings	10 00 @— —
Spikes (Railroad)	2 35 @— —
Light Rails	2 00 @— —
Barbed wire—galvanized	6 @— —
Barb wire—Cambria link	6 @— —

St. Louis Iron Market.

Specially reported by HOPPER & Co., Pig Iron and Iron Ore, No. 318 Olive Street.

ST. LOUIS, June 23, 1884.

There is nothing new to report in the iron situation in this market. We continue quotations of last week, viz:

HOT-BLAST CHARCOAL.	
Missouri	$19 00@20 00
Southern	20 00@22 00
Ohio	24 00@26 00
COKE AND COAL.	
Missouri	19 00@20 00
Southern	18 50@19 50
Ohio	21 00@25 00
MILL IRONS.	
Red Short	17 00@17 50
Neutral	16 00@17 00
CAR-WHEEL AND MALLEABLE IRON.	
Missouri	19 00@20 00
Southern	25 00@28 00
Ohio	23 00@32 00

Iron, par.

HARDWARE.

The demand for season goods continues brisk, but the general trade has slackened up, and business at present is quiet, with buyers indisposed to stock up and the market rather inclined to weakness.

Nails are very quiet, with limited demand, and prices as last quoted, nominally about $2.40, though concessions on these figures can be obtained.

TO WHOM IT MAY CONCERN: We desire to call the attention of machinists and the trade generally to the fact, that inferior calipers and dividers, with our patent rocker washer, are being put upon the market. The superiority of our tools will be recognized at once by any competent salesman or machinist, and we think it will be sufficient simply to call attention to the fact above stated. We shall take all necessary steps to stop this infringement of our patent and to protect our rights in the premises. J. STEVENS & Co.,
Chicopee Falls, Mass., U. S. A.

TO THE HARDWARE TRADE.—We take pleasure in offering to the trade our list of machinists' tools, consisting of calipers, dividers, surface gauges, countersinks, etc. Until within a few years foreign goods of this description have taken the lead in the American market. We are now offering to the trade calipers and dividers equal to any imported, for correctness, quality of work, and nicety of finish.

In addition to the common styles, we are introduciug new and favorite patterns, highly appreciated by mechanics who have used them, such as our key-hole and screw calipers, dividers with thumb attachment, extensively used by draughtsmen for measuring distances.

Our new patent helical calipers and dividers are admired by all machinists who have seen them.

The increased demand for our tools has compelled us to enlarge our works, and hereafter we expect to be able to produce our goods with such rapidity as to meet both our domestic and foreign orders promptly. J. STEVENS & Co.,
Chicopee Falls, Mass.

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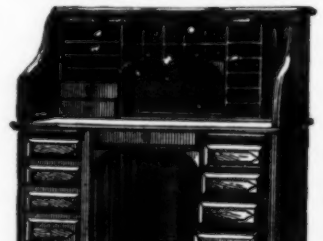
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IX, 12x12, "	8 75
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IX, 14x20, "	8 50
IXX, 14x20, "	10 50
IXXX, 14x20, "	12 50
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IX, 20x28, "	18 00
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DX, 100, " "	8 25
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No. 1 Ordinary	9
Antimony	18
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" " " " 4	9

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Pig	4½
Bar, (15 oz. bars)	6½
Sheet	7½
Pipe, full coils	6½

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Tinned Sheathing, 14x48, 14, 16, 18 oz.	28
" " Planish'd, 14x48, 14, 16 oz.	40
" " " Boilers 7, 8, 9	42
Copper Pit Bottoms	30
Tinning extra	15
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" " 8 lb.	34
" " 6 lb.	36
Bolt "	30
Tinning extra	40

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Wider than	2	10	12	14	16	18
and including	10	12	14	16	18	20
To No. 30, inclusive	.21	.22	.23	.25	.27	.29
Nos. 21, 22, 23 and 24	.22	.23	.24	.26	.28	.30
Nos. 25 and 26	.22½	.23½	.24½	.27	.29	.31
Nos. 27 and 28	.23	.24	.25	.28	.30	.32

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Add ½c. ₩ lb. additional on each number thinner than Nos. 28 to 38, inclusive.

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at 55 cts.

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¼ in. and narrower, not less than	4
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Over ¼ in. to ½ in., inclusive, Nos. 21 to 28, inclusive	2
¼ in. and narrower, Nos. 21 to 28, inclusive, not less than	6
Over ½ in. to 2 in., inclusive, Nos. 29 to 32, inclusive	1½
Over ¼ in to ½ in., inclusive, Nos. 29 to 32, inclusive	3
¼ in. and narrower, Nos. 29 to 32, inclusive, not less than	12
Over ½ in. to 2 in., inclusive, No. 33 and thinner	3
Over ¼ in to ½ in., inclusive, No. 33 and thinner	6
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" 19 and 20	24	28	32
" 21	25	29	33
" 22	26	30	34
" 23	28	32	36
" 24	30	34	38
" 25	32	36	40
" 26	35	39	43
" 27	38	42	46
" 28	42	46	51
" 29	45	49	54
" 30	48	53	62
" 31	51	55	67
" 32	55	59	73
" 33	59	63	82
" 34	64	68	95
" 35	70	74	1.30
" 36	76	80	1.50
" 37	1.00	1.04	1.70
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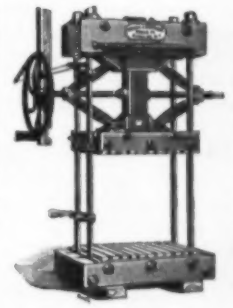
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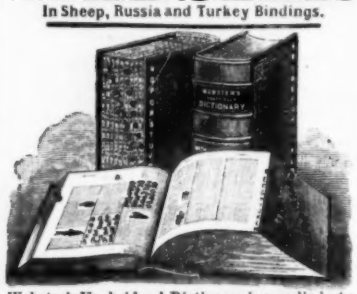
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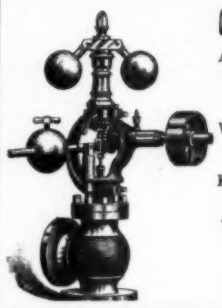
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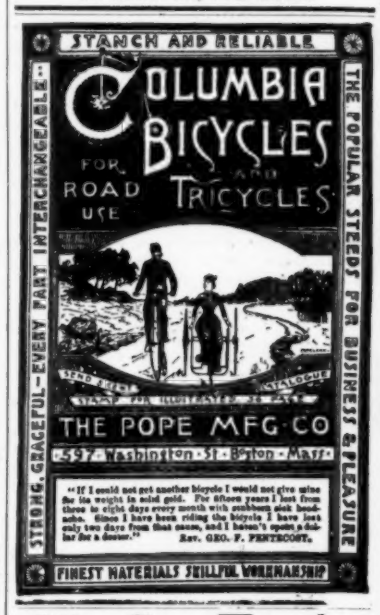
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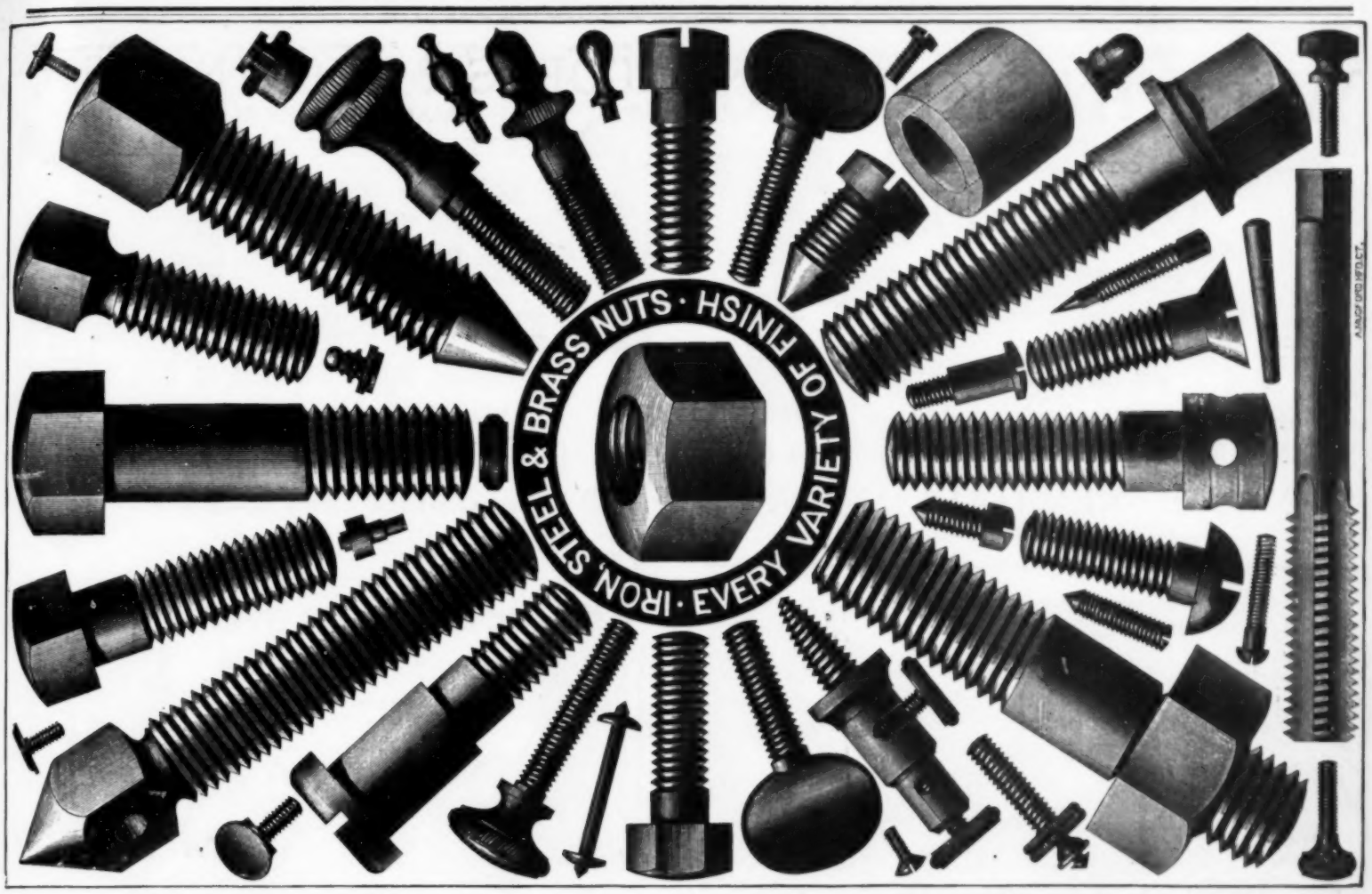
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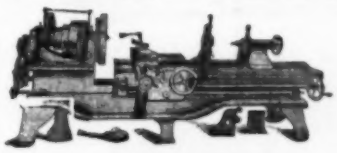
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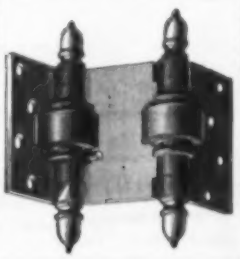
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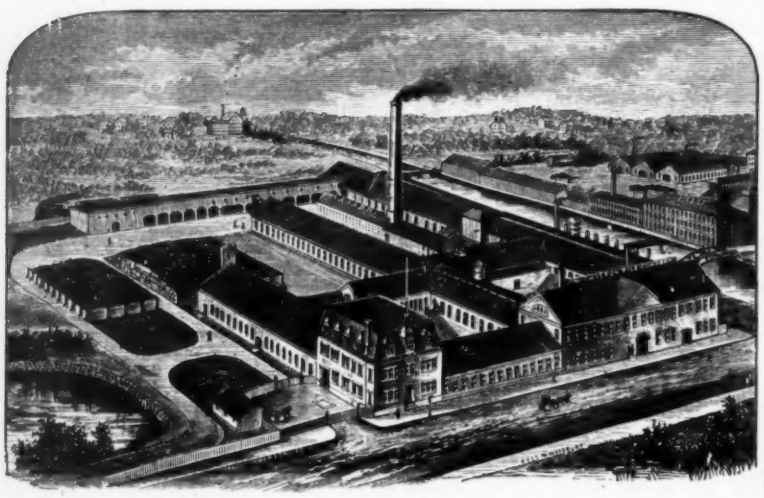
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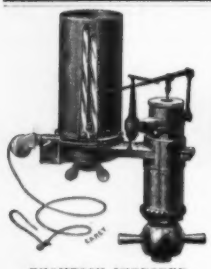
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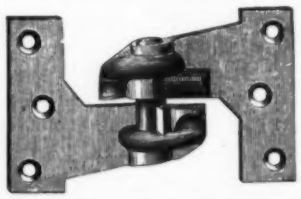
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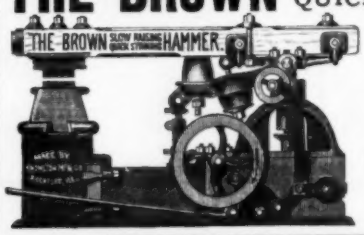
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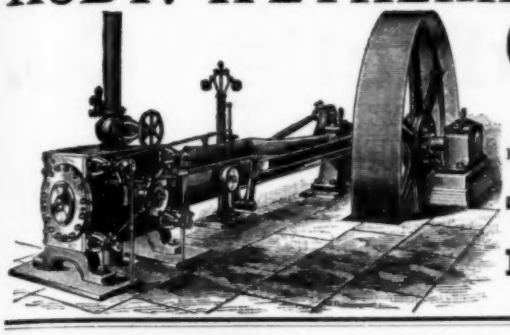
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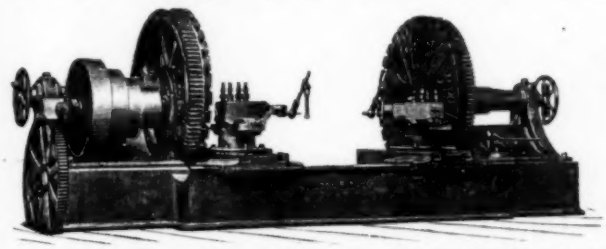
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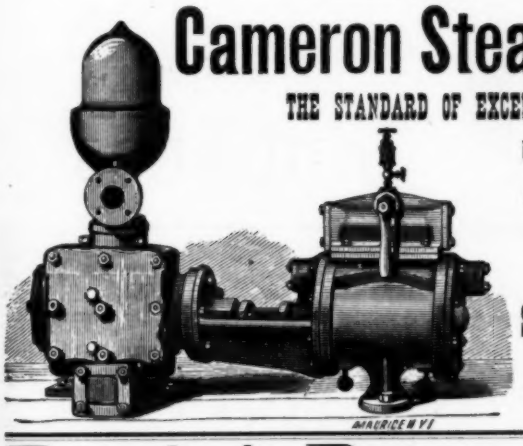
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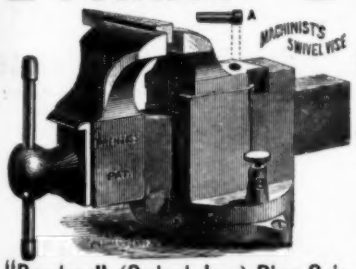


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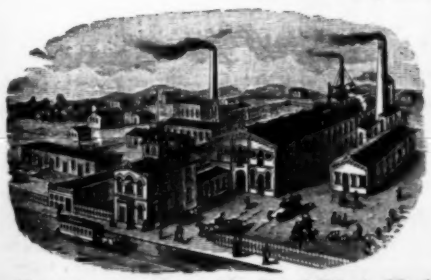
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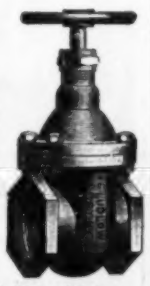
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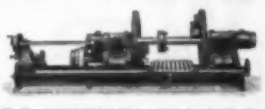


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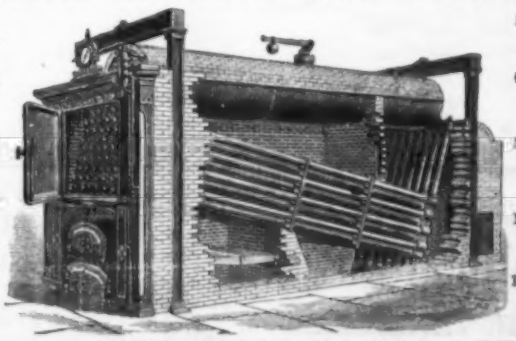
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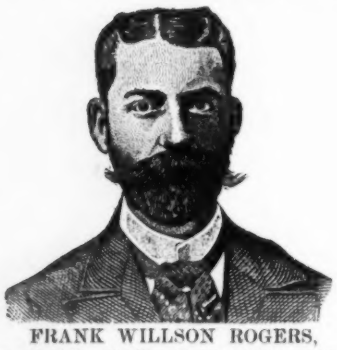
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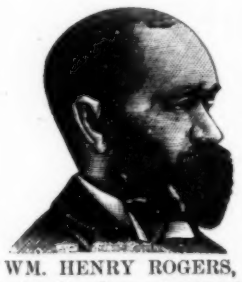
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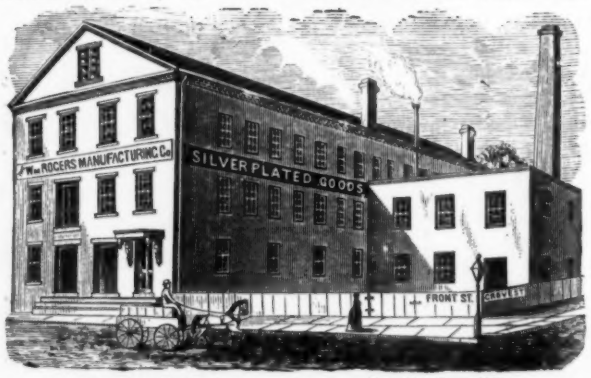
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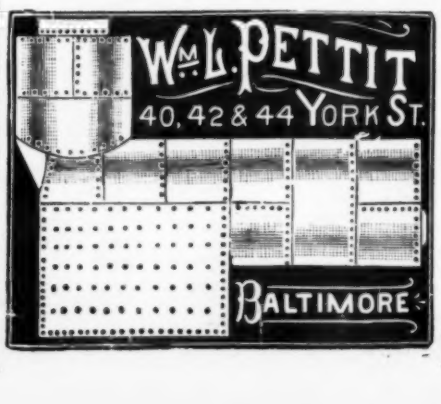
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Hol. Aug., Bonney's Adjust., ₩ doz $48, dis 25&10 %
Hol. Aug., Stearns' Adjust., ₩ doz $48, dis 20&10 %
Hol. Aug., Ives' Expansive, each $4.50, dis 30&10 %
Hol. Aug., Universal Expansive, each $4.50, dis 20 %
Wood's.....dis 25 %
Gimlet Bits.....$7.50 ₩ gross, dis 50 %
Gimlet Bits, Diamond.....₩ doz $1.25, dis 40 %
Double Cut Gimlet Bits, Shephardson's...dis 40 %
Double Cut Gimlet Bits, Douglass'.....dis 33⅓ %
Double Cut Gimlet Bits, Ives'.....dis 50 %
Morse's Bit Stock Drill.....dis 25 %
L'Hommedieu's Ship Augers.....dis 15 %

AWL HAFTS.

Sewing Brass Ferrule..$3.50 ₩ gross—dis 40&10 %
Patent Sewing, Short....$10 ₩ gross—dis 40&10 %
Patent Sewing, Long.....$1.20 ₩ doz. net
Patent Peg, Plain Top...$10 ₩ gross—dis 40&10 %
Patent Peg, Leather Top..$12 ₩ gross—dis 40&10 %

AWLS, BRAD SETS, &c.

Awls, Sewing, Common.....75c. to $1
Awls, Shouldered Peg.....75c. to $1
Awls, Patent Peg.....50c to $1.50
Awls, Shouldered Brad.₩ gross $2.70—dis 25&10 %
Awls Handled Brad.....$7 ₩ gross—dis 25&10 %
Brad Sets, Aiken's.....₩ doz. $12—dis 45&10 %
Brad Sets, No. 42, $10.50; No. 43, $12.50....dis 70 %
Brad Sets, Stanley's Exc.' No. 1, $9.60..dis 30&10 %
Brad Sets, Stanley's Exc.' No. 2, $4.80..dis 30&10 %
Brad Sets, Stanley's Exc.' No. 3, $7.80..dis 30&10 %

AXES.

Collins & Co.....$7.25; beveled..$7.75
Cohoes Mfg. Co.....$7.25; beveled..$7.75

Lippincott or Mann's,

Single Bit, 4½ to 5½ and under...₩ doz. $7.25 net
Single Bit, 4½ to 6 and over.....₩ doz. $7.75 net
Single Bit, beveled.....50c. doz. advance
Double Bit, 4½ to 5½ and under..₩ doz $12.00 net
Double Bit, 4½ to 6 and over....₩ doz. $13.00 net
Double Bit, beveled.....$1.00 ₩ doz. advance
Second quality Axes.....50 cts. less than above

AXLES.

Sheldon & Co., iron.....55 % off
" " " steel.....55 % off
AXLE GREASE—Frazer's.....₩ lb. 6c.

BALANCES.

Spring Balances.....dis 25&10 %

BELLS.

Hand, Light Brass.....dis 70 %
Hand, White Metal.....dis 60 %
Hand, Silver Chime.....dis 20&10 %
Hand, Globe (Cone's Patent).....dis 25&10 %
Gong, Abbe's.....dis 2?&10 %
Gong, Yankee.....dis 30&10 %
Gong, Barton's.....dis 30&10 %
Leon Reading.....dis 25&10&10 %
Pull, Brook's.....dis 50&10 %
Crank, Taylor's.....dis 25&10 %
Lever, Sargent's.....dis 55&10 %
Bloomfield.....dis 20 %
Lever, R. & E. M. Co.'s.....dis 45&10&2 %
Call.....dis 25 %
Cow, Common Wrought.....dis 55&10 %
Cow, Western, Sargent's List.....dis 55&10 %
Cow, Kentucky, Sargent's List.....dis 55&10 %
Cow, Moore's or Dodges, Genuine Ky., new list:
Nos. 0 1 1½ 2 3 5 6 Hog } dis.60&
$12 $10 $9 $8 $7 $4 $3.50 2.50 $5 } 10 %
Cow, Texas "Star".....dis 40 %

BELLOWS.

Blacksmiths' Common.....dis 50 %
Molders'.....dis 25 %
Hand Bellows.....dis 25 %

BLIND FASTENERS.

Francis.....dis 20 %
Mackrell's.....₩ doz pairs $1.00, dis 10 %
Van Sand's Screw Pattern.....$9 ₩ gross, net
Van Sand's Old Pattern..1¼, $8; 1½, 8.50 ₩ gro. net
Merriman's.....new list, net
Zimmerman's, 10½ in.....₩ gross $36 00
Zimmerman's, 9 in.....₩ gross 24.00
Zimmerman's, without screws.....$5.00 less

BLIND STAPLES.

Barbed, ½ in. and larger.....₩ lb 11c net
Barbed, ⅝ in.....₩ lb 13c net

BLOCKS.

Penfield Block Co., Rope and Iron Strap'd..dis 40 %

BOLTS.

Cast Iron Barrel Shutter, &c.....dis 55&10 %
Cast Iron Chain (Sargent's list).....dis 60&10 %
Wrought Barrel.....dis 55&10 %
Wrought Square.....dis 55&10 %
Wrt. Shutter, all Iron, Stanley's list...dis 50&10 %
Wrt. Shutter, Brass Knob, Stanley's list dis 50&10 %
Wrought Shutter, Sargent's list.....dis 55&10 %
Wrought Sunk Flush, Sargent's...dis 45&10&10 %
Wrought Sunk Flush, Stanley's.....dis 40&10 %
Wrought B. K. Flush, Stanley's.....dis 50&10 %
Carriage and Tire, Common, new list.....dis 75 %
Carriage and Tire, Philadelphia Pattern dis 50 %
Carriage Bolts, Clarke's.....dis 80 %
Carriage Bolts, Lancaster Bolt Co..
Excelsior, Low List.....dis 60&10&10 %
Norway.....dis 75 %
R. B. & W. Carriage (old list).....dis 65 %
Tire, American Screw Co.'s, Phila.....dis 75 %
Tire, "Bay State".....dis 65%, new list
Eagle Philadelphia Tire Bolt.....80%
Stove.....dis 60%
Plow.....dis 50&10 %
Machine.....dis 70 %
Bolt Ends and Lag Screws.....dis 70 %

BORAX.

15c ₩ lb net.

BRACES.

Q. S. Backus.....dis 50 %
Barber's.....dis 40&5 %
Spofford's Patent.....dis 50&5 %
Ives' Patent Braces.....dis 50 %
Common Ball (American).....dis 55 %
Amidon's.....dis 50 %

BORING MACHINES—WITHOUT AUGERS.

Sweet & Clark upright, 3,60 angular.....4.40 net
Lawrence " 3.00 " .....3.50 net
Hubbard " 3.00 " .....3.50 net
Phillips, with Augers..... 7.00 7.50.....net

BRACKETS.

Shelf, plain.....dis 50&10 %
Shelf, fancy.....dis 55&10 %

BRIGHT WIRE GOODS.

New list ...dis 70&10 %

BULL RINGS.

Union Nut Co.....dis 55 %
Sargent's.....dis 60&10 %
Humason, Beckley & Co.'s.....dis 60&10 %

BUTTS.

Wrought Brass.....dis 75 %
Cast Brass, Fast Joint.....dis 20&10 %
Cast Brass, Loose Joint.....dis 10&10 %
Fast Joint, Narrow.....dis 45&10&10 %
Fast Joint, Broad.....dis 45&10&10 %
Loose Joint.....dis 60&10&10 %
Loose Joint, Japanned.....dis 60&10&10 %
Loose Joint, Jap. with Acorns ...dis 60&10&10 %
Parliament Butts.....dis 60&10&10 %
Mayer's Hinges.....dis 60&10&10 %
Loose Pin, no Acorn.....dis 60&10&10 %
Loose Pin, Acorns.....dis 60&10&10 %
Loose Pin, Acorns, Japanned.....dis 60&10&10 %
Loose Pin, Acorns, Jap'd, Plated Tips.....dis 60&10&10 %

Wrought Iron.

Fast Joint, Narrow.....dis 60&10 %
Fast Joint, Lt. Narrow.....dis 60&10 %
Fast Joint, Broad.....dis 60&10 %
Loose Joint, Broad.....dis 60&10 %
Table Butts, Back Flaps, &c.....dis 60&10 %
Inside Blind, Regular.....dis 60&10 %
Inside Blind, Light.....dis 60&10 %
Loose Pin, Wrt.....dis 60&10 %
Loose Pin, Light.....dis 60&10 %
Spring Hinges—
Geer's Spring and Blank Butts.....dis 25 %
Clarke Hardware Co.'s.....dis 50&10 %
American Spring Hinge Co.'s.....dis 25 %
Gem Spring Hinges.....dis 25 %
Blind Butts, Shepard's, Nos. 50 and 60....dis 70 %
Blind Butts, Shepard's, No. 650 .....dis. 70&5 %
Blind Butts, Shepard's, No. 75 .....dis 70&10 %
Blind Butts, Lull & Porter.....dis 75 %
Blind Butts, Huffer.....dis 50 %
Blind Butts, Clark's, Nos. 1, 3, 5.....dis 70&10 %
Standard Lull & Porter.....dis 75 %

BOW PINS.

Humason, Beckley & Co.'s.....dis 55&5 %
Sargent & Co.'s.....$19.70 and 21.40, dis 66&10 %
Hotchkiss.....dis 25 %

BUTCHER'S CLEAVERS.

Humason & Beckley Mfg. Co.....dis 25 %
Bradley's.....dis 25 %
Beatty's.....dis 25&5 %

1	2	3	4	5	6	7	8
$16.50	19.00	21.50	24.00	27.00	30.00	33.50	36.50

CAN OPENERS.

American.....₩ gross $7.50, dis 10 %
New Idea.....$15 00 gross
No. 4, French.....₩ doz $2.25, dis 55 %
No. 5, Iron Handle.....₩ gross $7.50, dis 10 %
Sardine Scissors.....₩ doz $7.00, dis 55 %
Sprague, No. 1, $2; No. 2, 2 25; No. 3, 2 50.dis 50&10 %
Universal.....₩ doz $3.00, dis 33⅓ %

CAPS, PERCUSSION, ₩ 1,000.

U. M. C., F C. trimmed.....50c } dis 10&10 %
U. M. C., F. L. ground.....70c }
U. M. C., Cen fire ground.....70c } dis 10&5 %
U. M. C., Double W. Proof.....$1.40 }
G. D. & S. B.....28c, dis 10 %
E. B. 1-10, Eley's.....60c
Musket, in 1-10's.....55c
Hicks Ground Edge in Brass Boxes.....55c

CARTRIDGES.

Rim.....dis 50@10 %
Central Fire, pistol size.....dis 33⅓ %
" " Military.....dis 25 %
B. B. Caps, Round Balls.....1.75
" Swaged Conical.....1 90

NEW LIST ON CARTRIDGES.

Rim-fire, 22, short			long	$ 6 00
"	32, "	10	"	15 50
"	38, "	18	"	18 00
"	41, "	15	"	17 50

Central Fire—22, $11.00; 38, $13.00; 41, 15.00; 44, $19.

CARDS.

Horse and Curry, new list, July, 1881 . ...dis 10 %
Cotton, new list, July, 1881.....dis 10 %
Wool, new list, July, 1881.....dis 10 %

CARPET STRETCHERS.

Cast Steel, Polished.....₩ doz $5 00, dis 30 %
Cast Iron, Steel Points.....₩ doz $4 00, dis 50 %
Bullard's.....dis 25 %

CASTERS.

Bed.....dis 47½&10 %
Plate and Shallow Socket.....dis 47½&10 %
Deep Socket.....dis 25&10 %
Martin's Patent (Phœnix).....dis 25 %

CATTLE LEADERS.

Humason, Beckley & Co.'s.....dis 60&10 %
Sargent's.....dis 60&10 %
P. S. & W.....dis 25&10 %

CHAIN.

German Halter and coil Chain.....dis 50&10 %
Trace, Breast and Fancy.....dis 45&5 %
Oneida Halter Chain (old list).....dis 45&5 %
Galvanized Pump Chain.....₩ lb 8c net
Jack Chain, Iron.....dis 60&10 %
Jack Chain, Brass.....dis 50&10 %

CHALK.

White.....₩ gross 60c net
Red.....₩ gross 85c net
Blue.....₩ gross $1.00 net
White Crayons.....₩ gross 9c net

COTTON LINES.

Cotton Fish Lines.....dis 33⅓ %
Cotton Chalk Lines, 20 feet:

Nos. 11.	13.	15.	17.	20.	"
$3.20.	3.60.	4.00.	4.50.	5.25.	"

CHISELS.

Socket Framing, Crossman.....dis 65&5 %
Socket Framing, P. S. & W.....dis 70&10 %
Socket Framing, Douglass'.....dis 70&10 %
Socket Firmers, Crossman.....dis 65&5 %
Socket Firmers, Ohio Tool Co.....dis 60&10 %
Socket Firmers, Douglass'.....dis 70&10 %
Socket Corner.....dis 70&10 %
Tanged Firmers.....dis 40&45 %
Tanged Firmers, Butcher's.....$5.00@$5.25 to £
I. Merrill's Socket and Framing Chisel.....65&10 %

CLAMPS.

Iron, Screw, Eagle.....dis 50 %
Iron, Adjustable, Stearns'.....dis 30&10 %
Iron, Cabinet, Sargent's.....dis 65&10 %
Iron, Carriage makers', Carr & Crawley..dis 25 %

CLIPS, AXLE.

Norway or Best.....dis 60&5 %
Superior.....dis 45&5 %
Conestogo.....dis. 60&10
Coal Hods—Griffiths'.....dis 40 %

COCKS, BRASS.

Racking, new list, July 10, 1880.....dis 50&10 %
Globe, new list, July 10, 1880.....dis 50&10 %
Plain Bibbs, new list, July 10, 1880....dis 50&10 %
Ale and Beer, new list, July 10, 1880...dis 50&10 %

COFFEE MILLS.

Parkers'.....dis 45 %
Wilson's.....dis 50 %
Logan & Strobridge.....dis 45 %
Enterprise Mfg. Co.....dis 25 %

COMPASSES, DIVIDERS, &c.

Compasses.....dis 55 %
Calipers.....dis 55 %
Dividers.....dis 55 %
Cook's Pencil.....dis 10 %

COOPERS' TOOLS.

Bradley's.....dis 15@20 %
Barton's.....dis 30g

CROW BARS.

Cast Steel.....₩ lb 6 c
Iron, Steel Points.....₩ lb 4 c

CURLING IRONS, &c.

⅛, ¼, ⅜ in., $1.80, 2.00, 2.40.....dis 10 %
Curling Tongs.....₩ doz $3.65, dis 10 %
Pinching Irons.....₩ doz $7.50, dis 20 %

CURRY COMBS.

Fitch's new list.....dis 50 %
Hotchkiss, Novelty, new list, July, 1880..dis 25 %
Hotchkiss, Excl'r. Supr. Champion.....dis 25 %
Lawrence "Perfect".....dis 25&10 %
Rubber.....₩ doz $10.00, dis 25 %
Sweet & Clarke.....dis 50 %
Lusters.....25 %

CURTAIN PINS.

Silvered Glass.....net
White Enamel.....net

CUTLERY.

Association (Table).....net
Naugatuck Cutlery Co.....list net
Excelsior Knife Co.....net
Wilson's Butcher and Shoe Knives.....dis 30 %
Ames' Shoe Knives.....dis 15 %
Wm. Rogers Manf. Co., Plated Cutlery.....Net

DOG COLLARS.

Embossed Gilt.....dis 20 %
Leather.....dis 25 %
Brass.....dis 25 %

DOOR SPRINGS.

Torrey's Rod, regular size, ₩ doz., $3...dis 40&10 %
Gem (Coil):
No. 1, Large Japanned.....₩ doz $4.00 }
No. 2, Medium Japanned..₩ doz 2.75 } dis 40 %
No. 3, Small, Japanned.....₩ doz 2.00 }
No. 4, ("Shoo Fly") Screen door size, 1.50 }
No. 5, Screen door size.....2.00 } dis 50 %
No. 6, Medium.....2.75 }
No. 7, Large.....4.00 }
Standard—10 doz $1.25; 9 doz $1 75 ...dis 50&10 %
8 doz 2.50; 6 doz $3.50...dis 50&10 %
Hercules.....dis 5 &10 %

DRAWING KNIVES.

Ohio Tool Co.....dis 60&10 %
Crossman's No. 1.....dis 65&5 %
Nobles Mfg. Co.....dis 15 %
Bradley's.....dis 35 %
Adjustable Handle.....dis 20 %
P. S. & W.....dis 70&10 %
Douglass.....dis 70&10 %

DRILLS AND DRILL STOCKS.

Blacksmiths'.....each, $2.50, dis 10 %
Blacksmiths' Self-Feeding.....each, $7 50, dis 50 %
Breast, P. S. & W.....dis 20&10 %
Breast, Wilson's.....dis 20 %
Breast, Millers Falls.....each, $3.00, dis 25 %
Breast, Bartholomew's.....each, $2.50, dis 25&10 %
Wilson's Drill Stocks.....dis 10 %
Automatic Boring Tools.....each, $2.25, dis 30 %

EGG BEATERS.

Dover.....₩ doz. $2.50, dis 2 %
Medallion.....gross, $10.00
Victoria.....gross, $10.00

EMERY AND EMERY PAPER.

Regular numbers.....₩ lb 6c
Flour and F. F.....₩ lb 4c
B. & A. Emery Paper.....dis 30&5 %

ENAMELED AND TINNED WARE.

Kettles.....dis 60 %
Sauce Pans.....dis 40 %
Tinned Sauce Pans.....dis 40 %
Escutcheon Pins—Brass.....dis 50 %

ESCUTCHEONS.

Door Lock.....Same discounts as Door Locks
Brass Thread.....dis 25 %
Wood.....dis 25 %

FAUCETS.

Fenn's.....dis 40 %
Fenn's Cork Stops.....dis 35½ %
Star.....dis 55&10 %
Frary's Patent Petroleum.....dis 30&10 %
West's Patent Key.....dis 45 %
Anchor Lock.....dis 45 %
Metallic Key, Leather Lined.....dis 60 %
Cork Lined.....dis 70 %
J Sommer's Best Metallic Key.....dis 40 %
J. Sommer's Cork Lined, 1st quality.....dis 50 %

FILES.

E. M. Boynton's.....new list, dis 25 %
Western File Co.....dis 45 %
Butcher's.....$4.50 to £
Moss & Gamble.....$4.50 to £
H. Disston & Sons (new list).....dis 40 %
Heller Bros.' Horse Rasps.....dis 30&10 %
Nicholson.....dis 40&10 %
New American.....dis 40 %
Union File Co.....dis 45 %
Stubs, new list.....$7.50 to £, 25 % off

FLUTING MACHINES.

Knox, 4½-inch Rolls.....$3.50 each }
Knox, 6-inch Rolls.....$4.00 each } ....dis 35 %
Knox, 8-inch.....$6.50
Eagle, 3½-inch Roll.....$2.15, dis 35 %
Eagle, 5½-inch Roll.....2.85, dis 35 %
Crown, 4½-in., $3 50; 6, $4.00; 8, $6.50 each...dis35 %
Crown Jewel.....6-in., $3.50 each...dis 35 %
American, 5-in., $3; 6-in., $3.40; 7-in., $4.50 each.....dis 35 %
Domestic Fluter.....$1.50 each, net
Geneva Hand Fluter, White Metal, ₩ doz $12.....dis 25 %
Crown Hand Fluter, Nos. 1, $15; 2, $12.50; 3, $10.50; 4, $8 25 ₩ doz .....dis 35 %
Combined Fluter and Sad Iron, ₩ doz $15.00.dis 30 %

FORKS.

Lawson & Brenizer.....dis 50&10 %
Remington.....dis 50&10 %
Sheble & Fisher.....dis 50&10 %

FRY PANS.

Burnished list as follows.....dis 60&10&10 %

No	0	1	2	3	4	5	6	7	8
₩ doz.	$3.00	3.75	4.25	4.70	5.25	6.00	7.00	8.00	9.00

GAUGES.

Marking, Stanley's.....dis 50&10 %
Marking, Chapin's.....dis 55&10 %
Wire.....dis 10&10 %
Wire, Disston's.....dis 30 %
Wire, Wheeler, Madden & Co.....dis 10 %

GIMLETS.

Nail and Spike.....dis 40 %
" Eureka " Gimlets.....dis 50 %
" Diamond " Gimlets.....dis 50 %
Double Cut, Shepardson's.....dis 50 %
Double Cut, Hartwell's.....dis 50 %
Double Cut, Ives'.....dis 50 %
Double Cut, Douglass'.....dis 33⅓ %
" Reel".....₩ gro. $12.00, dis 25 %

GLUE POTS.

Tinned and Enameled.....dis 35 %
Family, Howe's " Eureka ".....dis 25 %
Family, L. F. & C.'s " Handy ".....dis 30 %

GRINDSTONE FIXTURES.

Sargents Patent.....dis 70&10 %
Reading Hardware Co.....dis 25&10 %

GUN WADS.

Eley's B. E. wads, 11 upwards.....$1.75
" " " 9 and 10.....2.00
" " " 7 " 8.....2.25
" P. E. " 11 upwards.....2.90
" " " 9 and 10.....3.05
" " " 7 " 8.....4.45

HAMMERS.

Maydole's.....dis 15 %
Magnetic Tack, Nos. 1, 2, 3, $1.26, 1.50 and 1.75.....dis 20&10 %
Warner & Noble's.....dis 5 %
Kip's or Selsor's.....dis 30 %
Yerkes & Plumb.....dis 15 %

HANDLES.—Door or Thumb Latches.

Nos.	0	1	2	3	4	
Per doz.	$0.80	1.00	1.10	1.25	1.150	dis 55&10 %

Roggin's Latches.....₩ doz 35c. @ 40c. net
Bronze Iron Drop Latches.....₩ doz @0.90@1 10
Jap'd Store Door Handles—Nuts, $1.25; Plate, $2.00, no Plate, $1.10.....dis 10 %
Barn Door.....₩ doz $1.60, dis 10 %
Wrought Chest.....dis 65&10 %
Surface Chest.....dis 55& 0 %
Flush Chest.....dis 55&10 %
Lifting.....dis 50&10 %
Saw and Piane.....dis 40&10 %
Lippincott Cross-Cut Saw.....22c per pair
Hammer and Hatchet.....dis 20 %
Brad Awl.....₩ gross, $5.00, dis 20&10 %
Chisel, all kinds.....50&10 %
Auger, assorted, ₩ gross.....$4.50
Auger, large, ₩ gross.....5.00
Patent Auger, Ives'.....dis 25 %
Patent Auger, Douglass'.....₩ set $1.25 net
Patent Auger, Swan's.....₩ set 1.00 net

HAMMOCK CHAIRS.

White Mountain, per doz.....$36.00
" " Finished in red, per doz..$42.00

HANGERS.

Barn Door, old patterns.....dis 60&10 %
Barn Door, New England.....dis 60&10 %
Climax (Anti-Friction).....dis 50 %
Warner's.....dis 20 %
Richard's.....dis 20 %

HATCHETS.

Shingling, Nos. 1 2 3.....₩ doz $7.25 $8.00 $8.75
Claw, Nos. 1 2 3.....₩ doz 7.75 8.50 9.25
Lathing, Nos. 1 2 3.....₩ doz 7.50 8.00 8.50
Hammond's, new list.....dis 45 %
Blood's.....dis 35 %
Hunt's.....dis 30 %
Russel's, low list.....dis 40 %
Cohoes Bench Broad Adze.....40 %

HAY KNIVES.

"Lightning".....₩ doz. $10.00 net 5 %
Wadsworth's.....dis 30 %

HINGES

Plate Hinges } 8,10&12 in.....5½c. ₩ lb.
"Providence" } over 12 in.....4½c. ₩ lb.
Screw Hook } 8, 10, 13 in.....4 c. ₩ lb.
and Strap. } 14 to 36 in.....3 c. ₩ lb.

Crown spring hinges, for screen doors, dis. 60 %; for solid doors, single action, dis. 45 %; for solid doors, double action, dis 55 %.
Crown Screen Door Latch....₩ gross $12, dis 55 %
Crown Christmas-Tree Holders, 2-inch, ₩ doz. $9; 3-inch, $12.....dis 45 %
Bickford Portable Pump.....each $6, dis 2 %
American Cake Mixer, No. 6...each $3.50, dis 20 %
American Tobacco Cutter.....₩ doz. $15, dis 20 %
A. M. Co. Clothes Wringer, No. 2 rolls, 10x1½, ₩ doz., $37.50; No. 2½ rolls, 12x1½, $48.....dis 20 %

Heavy Welded Hook } 8@12 in. $7.50 ₩ 100 lb. } dis
} 14 in. & up, $6 ₩ 100 lb. } 20 %

Screw Hook and Eye... { ⅜ & 1 in.....9c. } dis 20 %
⅜ in.....9c.
½ in.....10c.
⅝ in.....12c

Wrought Strap & T Hinges, Dec. 20, '77, dis 60&10&10 %

HOES.

Planters.....60&5 %
Riveted Shank.....₩ doz. $5.00, dis 50&10 %
Socket.....₩ doz. $5.25, dis 50&10 %
Grub.....dis 50 %
Hick's Pat. Solid C. S. Planters'.....dis 60&10 %
Hick's Pat. Solid C. S. Scovill Pattern..dis 60&5 %
Hubbard, Bakewell & Co.....dis 50&10 %

HORSE NAILS.

Ausable:	Nos.	5	6	7	8	9	10	
Plain, ₩ lb.		30c	27c	25c	24c	23c	22c	dis 20&10 %
Finish'd ₩ F.		31c	29c	26c	25c	24c	23c	dis 20&10 %
Clint'n, F'n, "			23c	21c	20c	19c	18c	dis 20&10 %
Clint'n, Fin'd "			24c	22c	21c	20c	19c	dis 20&10 %
Essex, ₩ lb.		31c	29c	27c	24c	23c		dis .0 %
Putnam "		27c	24c	22c	21c	20c	19c	dis 5&10 %
Saranac "			29c	27c	24c	21c	20c	dis 20 %
Globe, "		26c	23c	21c	20c	19c	18c	dis 10&5 %
N'thw'n "		28c	25c	23c	22c	21c	20c	dis 10&10 %

Ch'mpi'n

Forged ₩ lb..	30c	27c	25c	24c	23	22c	dis 25&10 %
A. C., ₩ lb....	28	25	23	22	21	21	dis 10, 10& 5 %
C. B. {							
K. {	28c	25c	23c	22c	21c	21c	dis 10& 5 %
Bridgewater....	24c	21c	19c	18c	17c	16c	dis 25& 5
New Haven....	33c	30c	28c	27c	26c	25c	dis 5 &10
Capewell..	31c	26c	25c	25c	24c	23c	dis 20&10

HORSE SHOES.

Burden.....₩ keg
R. I. Horse Shoe Co., Perkins' Improved, Light, Medium and Heavy.₩ keg $3.87½
Mule Shoes.....₩ keg $4.87½
Walker's—Forged: (Light, Medium and Heavy.)
Horse.....₩ keg $3.87½
Mule.....₩ keg $4.87½
Keystone Solid Calk Steel Horse.....$3.87½ 5 %
" " " Mule.....$4.87½ 5 %

HORSE POKES.

Excelsior.....$6 ₩ doz.
Akron.....$3 ₩ doz.
Ox Shoes—Mt. Carmel Ox Shoes.....10 cts. ₩ lb.

ICE CREAM FREEZERS.

Peerless—3 quart, $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $12. The Gooch Patent "Giant"—14 quart, $30; 18 quart, $35; 21 quart, $50; 25 quart, $55; 32 quart, $40; 42 quart, $45. Discount 50%.
American—2 quart, $2.75; 3 quart, $3.25; 4 quart, $3.75; 6 quart, $5 each.....dis 45 %
Crown, single action, 2 quart, $3.75; 3 quart, $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $11; 14 quart, $14; dis 45 %
Crown, double action, with crank, 8 quart, $10.50; 10 quart, $13; 14 quart, $16 50; 18 quart, $21; 24 quart $25. With fly wheel, 8 quart, $13; 10 quart, $16; 14 quart, $20; 18 quart, $25; 24 quart, $30; 32 quart, $37 50.....dis 45 %
Star, double action, 2 quart, $3.75; 3quart, $4.50; 4 quart, $5.50; 6 qua t $7; 8 quart, $9; 10 quart, $11; 14 quart, $14.....dis 45 %
Gem, double action, 2 quart, $3.75; 3 quart $4.50; 4 quart, $5.50; 6 quart, $7; 8 quart, $9; 10 quart, $11; 14 quart, $14...dis 55 %
Crown Ice Chipper.....₩ doz. $7.50, dis 35 %

KNOBS.

Carriage (Jap'd 80c ₩ gross).....dis 60&10
Base—Common.....dis 30&10 %
Hemacite Door Knobs.....new list, dis 30&5 %

Door Mineral....
Door Por. Jap'd..
Door Por. Plated
Door Por.....
} Same discounts as Door Locks

Furniture Plain.....75c gross inch, dis 10 %
Furniture, Wood Screws.....dis 20 %
Picture.....dis 50&10
Hemacite, Picture.....dis 35 %
Shutter, Porcelain.....dis 50&10

LADLES.

Melting & Skimming, Monroe's Pat.₩ doz $4 dis 40
Melting, C & C.....dis 30&10

LAWN MOWERS.

Buckeye, Easy and Excelsior, new list...dis 30
LINES—Linen Fish.....dis 25&10%
Wire Clothes, Galvanized, 100 feet....₩ doz. $3.00

LOCKS AND LATCHES.

Cabinet, Eagle, Cabinet, Gaylord, Cabinet, Bridgeport. } Changes made in list price of some numbers Jan. 1, 1881, dis 25&2 %
Cabinet, P. & F. Corbin.....dis 40 %
Trunk, new list, Jan 1, 1881.....dis 15&2 %
Yale Lock Co., Flat Key.....dis 40 %
Plate.....dis 33⅓&2 %

DOOR LOCKS, ETC.

Branford, Norwalk, Norwich, P. & F. Corbin, Russell & Erwin, Mallory, Wheeler & Co. } List prices as revised Dec. 6th, 60&2 % for cash.
Padlocks—Russell & Erwin..... Mallory, Wheeler & Co..... Norwich Lock Manf. Co..... } dis 45 % and 2% for cash
Wm. Wilcox & Co.....
Wm. Wilcox & Co.'s Plate Locks.....dis 33⅓
Yale Lock Manf. Co.'s "Standard".....dis 40 %
Romer's.....dis 25@40 %
Conestoga.....dis 75 %
Scandinavian, "Norwich".....dis 50&10 %

MALLETS.

Penfield Block Co., Apple, Hickory and Lignumvitæ.....dis 30 %

MEAT CUTTERS.

Dixon's (P. S. & W.) Nos. 1 2 3 4. ₩ doz $14 $17 $19 $30-dis 35 %
Perry's, Nos. 1 2 3 4 4 gr'd 5 gr'd Each.. ....$3 4 5 11 13 26 dis
Woodruff's (P. S. & W.).....Nos. 100 150 ₩ doz. $15 18-dis 35 %
Bales'.....Nos. 11 12 13 ₩ doz..$27 35 45-dis 50&10&2 %
Kieser's No. 55.....$40 ₩ doz. dis 40 %
Kieser's Gem.....$25 ₩ doz. dis 40 %
Kieser's No. 82.....$40 ₩ doz. dis 40 %
Kieser's Monarch.....$45 ₩ doz. dis 40 %
Heef Shaver, (Enterprise Manf. Co).....dis 25 %

MOLASSES GATES.

Stebbins Patterns.....dis 70&10 %
Stebbins Genuine.....dis 67½&10 %
Stebbins Tinned Ends.....dis 40&10 %
Chase's Hard Metal.....dis 50&10 %
Self-Measuring, (Enterprise).....dis 10 %
Lincoln's Pattern.....dis 60&10 %
Weed's.....dis 15 %
Boss Nos. 1 2 3 4 $7 8 9 10..₩ doz
Boss, Japanned Finish.....dis 60&10&10 %
Boss, Bronze Finish.....dis 50&10&10 %

NUTS AND WASHERS.

Square Nuts.....8 c off list
Hexagon Nuts.....8½c off list
Washers.....7½c off list

OILERS.

Zinc and Tin.....dis 60&10 %
Brass and Copper.....dis 50 %
Malleable (Hammer's).....₩ doz $5, dis 10 %
PINKING IRONS.....₩ doz 75c, net

PLAITING MACHINES.

Astor Plaiting Machine..... each $15, dis 20 %
Crown Plaiting Machines.....dis 25 %
6 in., $6; 10 in. $8 each.

PLANES AND PLANE IRONS.

Bench, First Quality.....dis 20 %
Bench, Second Quality.....dis 25 %
Molding.....dis 15 %
Bailey's (Stanley R. & L. Co.) new list, Jan. 1879.....dis 20&10 %
The Stanley (S. R. & L. Co.) new list, January 1879.....dis 20&10 %
Bailey's.....dis 20&10 %
Plane Irons, Butcher's.....$5.50 to £
Plane Irons, Auburn Tool Co.....dis 20 %
Plane Iron, Ohio Tool Co.....dis 20 %
Plane Irons, Sandusky Tool Co.....cis 20 %

PLIERS AND NIPPERS.

Button's Patent.....dis 33⅓ %
Hall's Pat. Compound Lever Cutting Nippers, No. 2, 5 in. $13.50; No. 4, 7 in., $21 ₩ doz.dis 25 %
Gas Pliers.....dis 50 %

PLUMBS AND LEVELS.

Disston's.....dis 40 %
Stanley R. & L. Co.'s Pat. Adjustable..dis 65&10 %
Stanley R. & L. Co.'s Non-Adjustabl...dis 65&10 %
Chapin's Patent Adjustable.....dis 65&10 %
Chapin's Non-Adjustable.....dis 65&10 %
Standard Rule Co.'s New Adjustable...dis 65&10 %
Standard Rule Co.'s Non-Adjustable...dis 65&10 %
Pocket Levels.....dis 65&10 %

RAIL.

Sliding Door, Wrought Brass...₩ lb. 43c. dis 30 %
Sliding Door, Bronzed Wrt. Iron ₩ ft. 12c. dis 35 %
Sliding Door, Iron, Painted..₩ ft. 4c. dis 10&10 %
Barn Door....inch.....¼ ⅜ ½
Per 100 feet..$2.60 3.60 5.60-dis 10 %
B. D. for N. E. Hangers— Small Med. Large.
Per 100 feet.....$2.10 2.70 .30—net

RIVETS.

Iron and Tinned, new list, Dec. 10, 1881...dis 40 %
In bulk, new list, Dec. 10, 1881.....dis 40 %
Copper Rivets and Burrs.....dis 45 %
Nos.. 7 8 9 10 11 12 13 14 15
₩ lb..49c. 50c. 52c. 54c. 56c. 58c. 60c. 65c. 70c.

RIVET SETS.

.....dis 40 %

RODS.

Stair, Brass.....dis 25 %
Stair, Black Walnut.....60c. ₩ doz.—nett

RULES.

Boxwood. Ivory.
Chapin's, Standard, Stanley..... } dis 70&10 % } dis 40&10 %
Stevens & Co.....70 & 10%. Ivory.....50%
Stevens & Co. Miscellaneous.....50 & 10%

SAD IRONS.

Self-Heating, Charcoal.....₩ doz. $9.00 net
Mrs. Pott's Irons.....dis 35 %
Enterprise Star Irons, new list, July 20, '82.dis 35 %
Comb'd Fluter and Sad Iron.₩ doz. $15.00, dis 15 %
Common Sad Irons.....2¾c. ₩ lb.

SAND PAPER.

Baeder & Adamson's Flint, 00@1½ $4.50₩ r'm.
Baeder & Adamson's Flint, 2, 2½ &3. 5.00₩ r'm.
Baeder & Adamson's Flint, Assort'd 4.75 ₩r'm.
Beader & Adamson's Star..... 3.75₩r'm.
Beader & Adamson's Emery ₩ r'm $6.50@11.50
} dis 35 %
J. Bartle's Sand, Flint and Emery Paper...30&5 %

SASH CORD.

Common.....₩ lb. 14c. net
Patent.....₩ lb 17c.@18c. net
Silver Braided Lake Hemp.....₩ lb. 50c. dis 10 %
Silver Braid. Lake White Cotton.₩ lb. 50c. dis 10 %
Silver Braided Lake Drab Cotton.₩ lb. 55c. dis 10 %
Silver Lake Cable Laid, Bengali unbleached Hemp, 17 cts.....dis 10 %
Russian Hemp, 19 cts.....dis 10 %
Italian Hemp, 34 cts.....dis 10 %

SASH WEIGHTS.

Solid Eyes, in 500-lb. lots and over.₩ lb: 1¼ c. net

SAUSAGE STUFFERS OR FILLERS.

Miles.....₩ doz. $20, dis 25&5 %
Perry.....₩ doz., No. 15; No. 0, $21.... dis 35 %
Enterprise Mfg Co.....dis 25 %
Monarch.....dis 40 %

SAWS.

Boynton's Lightning Cross Cuts, new list.dis 40 %
Boynton's Circular and Mill.....dis 40 %
Boynton's Ice.....dis 25 %
Boynton's Lightning Hand, Panel and Rip.dis 25 %
Disston's Circular.....dis 40 %
Disston's Mill.....dis 40 %
Disston's Cross Cut.....dis 40 %
Disston's Hand, Panel, Rip, &c.....dis 20 %
Hubbard, Bakewell & Co. Cir. Saws...dis 40&5 %
Hubbard, Bakewell & Co. Cross Cut.....30c. ft.
Hubbard, Bakewell & Co., One-Man's, X Cut, dis 40&5 %
Hubbard, Bakewell & Co., Mill Saws..dis 40&5 %
Peace Circular and Mill.....dis 40 %
Peace Hand, Panel and Rip.....dis 25 %
Peace Cross Cuts.....dis 35 %
Peace Band Saws, all widths .....dis 10 %
Webster Cross Cut, with Handles.dis 25&10&10 %
Griffin's Hack Saws and Blades .....30 %

SAW FRAMES.

White.....₩ doz $1.05, dis 10 %
Saw Rods.....List, dis 10&10 %

SAW SETS

Stillman's Genuine, ₩ doz. $3.50 and $5.50, dis 10 %
Stillman's Imitation.....₩ doz. $3.25, dis 30&10 %
Common Lever.....₩ doz $2.00, dis 30&10 %
Leach's.....No. 0, $8 00; No. 1 $15; dis 15 %
Hammer, Hotchkiss.....$5.50, dis 10 %
Aiken's Genuine.....$13 00, dis 50&10 %
Aiken's Imitation.....$7.00, dis 50 %
Disston's.....dis 20 %
Morrill's.....No. 1. $15; No. 5. $52, dis 35&10 %

SCALES.

Hatch, Counter, No. 171..₩ doz. $42, dis 37½&10 %
Hatch, Tea, No. 161.....₩ doz. $15.00, dis 37½&10 %
Union Platform, Keystone.....$5, dis 45 %
Chicago Scale Co.....Special dis
Fairbanks'.....dis 20 %
Forsyth Scale Co.....dis 45 %
Howe's.....dis 20&10 %
Chatillon's Grocers'.....dis 40 %
Chatillon's Eureka.....dis 25 %
Family Universal .....dis 50 %
Family Favorite.....dis 30 %
Family Turnbull's.....dis 30 %
Scale Beams, List of Jan. 12, 1882.....dis 50 %

SCRAPERS.

Adjust. Box Scraper(S.R.&L.Co.)$6 50,dis 20&10 %
Box, 1 Handle.....₩ doz. $4, dis 10 %
Box, 2 Handle.....₩ doz. $6, dis 10 %
Foot .....dis 45&10 %
Ship, common.....₩ doz. $3, net
Wilson Mfg Co .....dis 10 %

SCREW DRIVERS.

Douglas Mfg Co.....dis 20&10 %
Disston's.....dis 40 %
Cowles Mfg Co.....dis 50&10&10 %
Stanley Rule & Level Co.'s Var. Hdls.dis 50&10 %
Stanley Rule & Level Co.'s Bl'k Hdls.dis 40&10 %
Ratchet.....dis 37½ %
Clark's Patent.....dis 25 %
Shepardson.....25 %

SCREWS.

Flat H'd Iron, list Dec. 27, '82.....dis 70 %
Round Head Iron.....dis 50 %
Flat Head Brass.....dis 60 %
Round Head Brass.....dis 15 %
Flat Head Blued add 2½ % to net of invoice.
Brass and Silver Capped.....dis 40 %
Japanned, list of Plain Screws.....dis 20 %
Coach, Patent Gimlet Point.....60&10 %
Coach, Common or Lag.....60&10&10 %
Bed.....dis 10 %
Machine, Flat Head, Iron.....dis 55 %
Machine, Round Head, Iron .....dis 50 %
Bench, Iron.....dis 50&10 %
Bench, Wood, Beech.....₩ doz. $3 00, dis 10 %
Bench, Wood, Hickory.....dis 30&10 %
Hand, Wood.....dis 20&10 %
Hand Rail, Sargent's.....dis 60&10 %
Hand Rail, Humason, Beckley & Co.'s.dis 40&10 %
Hand Rail, Am Screw Co., list Jan 1, '81....dis 70 %
Jack (Wilson's).....dis 25 %

SCREEN FRAMES AND FIXTURES.

Standard Window Screens No. 1, ₩ doz. $4; 2, $5
" Door " No. 5, $15; dis 40&10 %
" Window Corner Irons, No. 3, doz. s'ts, $2
" Door " " No. 6, " " $3
dis 40&10 %
" Door Latches, ₩ dozen, $3.60; dis 50 %
Porter's Patent Window and Door Screen Frames:

PER DOZ. SETS.

	In White.	Im. Bl'k Walnut.
No. 20	$2.75	$3.25
No. 21	3.25	4.00
No. 22	5.50	6.75
No. 23	6.00	7.50
No. 30	9.00	11.00

} dis. 33⅓ %

Porter's Corners—
No. 0. Corners and Sticks complete for a three-foot window, ₩ doz. sets.....$4
No. 1. Set for Window, ₩ doz. sets, Bronzed, $2.40; Nickel, $5.62
No. 1½. " " ₩ doz. sets, Bronzed, $3.25; Nickel, $7.50
No. 4. " " ₩ doz. sets, Bronzed, $4.00; Nickel, $8.00
No. ¼. " " or Door, ₩ doz. sets, Bronzed, $1.20; Nickel, $3.00
No. 4½. " " or Door, ₩ doz. sets, Bronzed, $2.00; Nickel, $4.00
No. 2½. " Door, ₩ doz. sets, Bronzed, $6.75; Nickel, $15.00
No. 3. " " ₩ doz. sets, Bronzed, $12.00; Nickel, $24.00
} dis. 33⅓ %

SHEARS AND SCISSORS.

American (Cast) Iron.....dis 70&10 %
Pruning.....see Pruning Hooks and Shears
Barnard's Lamp Trimmers.....₩ doz. $4 00
Tinners'.....dis 15 %
Conn Shears.....dis 80 %
Norfolk Shear Co.....dis 75 %
Jersey Shears.....80 %
J. Wiss & Son, Nickle, 50&5%; Japanned, 60&5 %

SHEAVES

Sliding Door, M. W. & Co., list.....dis 45&2 %
Sliding Door, R. & E. list.....dis 60&10&2 %
Sliding Door, Patent Roller.....dis 60&10&2 %
Sliding Door, Pt. Roller, Hatfield's.dis 60&10&2 %
Sliding Door, Russell's Anti-Fric't'n.dis 60&10&2 %
Also see Hangers.

SHOVELS AND SPADES.

Ames, New List, July 1, 1881 .....dis 15 %
Griffiths.....dis 50&5 %
Remington's, Lowman's Patent).....dis 30 %
Rowland's.....dis 60 %
Kimball's.....35 %
Lippincott new list.....30 %
Hussy, Bins & Co.....15 %

SPOKE TRIMMERS

Bonney's.....₩ doz. $10, dis 40&5 %
Stearns'.....₩ doz. $9, dis 20&10 %
Ives'... .No. 1. $15; No. 2, $12 ₩ doz., dis 55&10 %
Douglass'.....₩ doz., $9, dis 15 %

SILVER-PLATED WARE.

Wm. Rogers Manf. Co.....dis 50, 5&5 %
Holmes, Booth & Hayden.....dis 40&10&5 %
Brown Bros.....dis 40&10&5 %
Wallace's Steel Silver Plated.....33⅓&10 %
Rogers Bros 1847 .....50 %
C. Rogers & Bro.....40, 10&5 %

SILVER PLATED HOLLOW WARE.

Wm. Rogers Manf. Co.....dis 40, 15&5 %
Meriden Britannia Co.....33⅓ %

SPOONS.

Britannia.....dis 60&10 %
Tinned, Iron, Table and Tea.....65 %
Tinned Iron Basting.....65 %
German Silver.....dis 40 %

STONE.

Hindostan No. 1, 5c.; Axe, 8c.....net
Sand Stone.....₩ lb. 6c., dis 33⅓&10 %
Washita Stone.....No. 1, ₩ lb., 16c. net
Washita Stone, Slips.....No. 1, ₩ lb. 45c. net.
Arkansas .....$1.50 ₩ lb. net

SQUARES.

Steel.....dis 50 %; full cases, dis 50&10 %
Iron.....dis 50 %; full cases, dis 50&10 %
Nickel Plated.....add $2.50@4 ₩ doz., net.
Try Square and T Bevels.....dis 50&10 %
Disston's Try Square and T Bevels.....dis 40 %
} 30 days net cash.

VISES.

Solid Box—Wilson's.....dis 50 %
" Trenton.....dis 45 %
" Iron City Tool Works.....dis 50 %
Bench—Wilson's.....dis 45 %
" Trenton.....dis 25 %
" Parker's.....dis 30 %
" Prentiss.....dis 25 %
" Bonney's.....dis 35 %
Well Wheels.....dis 60& 10&10 %

WIRE.

Brass and Copper, list of Jan. 17, 1884.....15%
Bright and Annealed.....Nos. 0@18, dis 50 &10%
Bright and Annealed.....Nos. 19@26. dis 60 &10%
Bright and Annealed.....Nos. 27@36, dis 70%
Coppered.....Nos. 0@18, dis 50 %
Galvanized, Nos. 0 to 18 .....market list dis 40 %
Tinned, Nos. 0 to 18.....dis 60 %
Tinned Broom Wire, Nos. 18 to 25.....dis 60 %
Annealed Fence, Nos. 8&9.....dis 55 %
Annealed Grape, Nos. 10 to 14.....dis 50@10 %
Fence Staples, Galvanized.....₩ lb 7@7½ c
Japanned Barb Fence.....₩ lb 6 c
Galvanized Barbed Fence.....₩ lb 6½ c
Buck Thorn Galvanized.....6½ c
Picture Wire.....dis 40 %
Clothes Line Wire, Galvanized .....$3.00 ₩ doz
Wire Cloth, green, drab and black..₩ sq ft 2 c net

WRENCHES.

American Adjustable.....dis 45 %
Baxter's Adjustable "S," list Jan., 1880..dis 20&5 %
Baxter's Diagonal.....dis 30&5 %
Coes' Genuine.....dis 60 %
Coes' "Mechanics".....dis 10&10 %
Coes' Pattern, Malleable.....dis 75 %
Coes' Pattern, Wrought.....dis 60@10 %
Girard Standard.....dis 50&10 %
Girard Agl.....dis 60&10 %
Always Ready.....$9.00—25 %

WRINGERS. Per doz.

Universal, XX, No. 2½.....36.00
Universal, XX, No. 2.....42 00
Universal, XX, No. 1½.....51.00
Universal, XX, No. 1.....66.00
Universal, XX, No. 8.....each 10.75
Universal, XX, No. 12.....each 20 25
Universal, XX, No. 18.....each 22 75
Universal, XX, No. 22.....each 30.25
Peerless, no Cogs, No. 1.....42.00
Peerless, with Cogs, No. 2½.....45.00
Peerless, with Cogs, No. 2.....48.00

THERMOMETERS.

Tin Case.....dis 7 &10 %
Storm Glasses.....$3.25 ₩ doz.

TOE CALKS.

Winsted.....₩ lb 9c. dis 5 %

TRAPS.

Game, Newhouse.....dis 35 %
Game, Oneida Pattern.....dis 60&10 %
Game, Blake's Patent.....dis 40&10 %
Mouse, Wood, Choker.....₩ doz holes, 16c
Mouse, Round Wire.....₩ doz $1.50, dis 10 %
Mouse Cage, Wire.....₩ doz $2.50, dis 10 %
Mouse, Catch-em-alive.....₩ doz $2.50, dis 10 %
Cyclon Mouse.....₩ doz 75 cts.
Ideal Mouse.....₩ doz $1.00
Rat, "Decoy".....₩ doz $10.90, dis 10 %
Delusion Mouse, per doz.....$1.50

SHEARS AND SCISSORS.

Henry Seymour Cutlery Co's—Tailors... dis. 40%
Glovers'.....40%
Bankers'.....60%
Bent trimmers.....60%
Straight trimmers.....60%
Tinners' and dental.....60%
Candy.....60%
Scissors.....60%
Sheep shears.....25%
Massachusetts Cutlery Co.'s—Straight trimmers.....75%

TACKS, BRADS, &C.

New List, Sept. 1, 1882.

Tinned Swedes Tacks.....dis 30 %
Tinned American Tacks.....dis 30 %
Swedes Tacks, all kinds.....dis 30 %
American Cut Tacks .....dis 30 %
Copper Tacks and Nails .....dis 30 %
Hungarian Nails.....dis 35 %
Gimp and Lace Tacks.....dis 30 %
Gimp and Lace Tacks, Tinned .. ..dis 30 %
Finishing Nails.....dis 25 %
Trunk and Clout Nails.....dis 25 %
Common and Patent Brads.....dis 30 %
Basket Nails.....dis 30 %
Brush Tacks.....dis 20 %
Leathered Carpet Tacks.....dis 20 %
Cigar Box Nails.....dis 20 %
Chair Nails.....dis 20 %
Double-pointed Tacks.....dis 40& 5%
} Extra 10 % on all for cash.

TAP BORERS.

Common and Ring.....dis 30 %
Ives' Tap Borers.....dis 15&10 %
Enterprise Mfg. Co.....dis 25 %

TOBACCO CUTTERS.

Enterprise Mfg. Co. (Champion).....dis 25 %
Wood Bottom.....₩ doz $12.00, dis 40&5 %
All Iron.....₩ doz $9.50, dis 40&5 %
Wilson's.....dis 35 %

TROWELS.

Lothrops' Brick and Plastering.....dis 25 %
Reed's Brick and Plastering.....dis 15 %
Disston's Brick and Plastering.....dis 20 %
Clement & Maynard's.....dis 20 %
Worrall's Brick .....dis 20 %
Brades & Walby's.....dis 20 %
Garden.....dis 55 %

TRUCKS (WAREHOUSE, &C).

Handy Truck.....$2 50 net
Penfield Block Co.' list, 1882.....dis 35 %
Peerless, with Cogs, No. 3.....54.00
Peerless, with Cogs, No. 4.....66.00
Eureka, No. 2.....₩ doz 42.00

MISCELLANEOUS.

"Diamond" Vegetable Grater....$5.00 ₩ doz., 10%
Rotary Knife Potato Parer.....$18.00 ₩ doz., net
Metallic Shingles ....$5.50 and $6.50 per square.
Hopper Cherry Seeders.....$5.00 ₩ doz net

PAINTS, OILS, &c.

PAINTS.

Black Lamp, coach painters.....₩ lb 30c
Black Lamp, ordinary.....₩ lb 6c
Black Ivory Drop, fair.....12@15c
Black Ivory Drop, best.....23c
Black Paint, in oil..... kegs, 6c; asst'd cans, 9c
Blue Prussian, fair to best.....40@55c
Blue Prussian, fair to best, in oil.....45@55c
Blue Chinese, dry.....70c
Blue Ultramarine.....15@25c
Brown, Spanish.....1c
Brown, Van Dyke.....5@15c
Green, chrome.....8@15c
Green, chrome, in oil.....9@12@15c
Green, Paris .....good, 20c; best, 25c
Green, Paris, in oil. .....good, 20c; best, 25c
Iron Paint, bright red.....₩ lb 2½c
Iron Paint, brown.....₩ lb 1½c
Iron Paint, purple.....₩ lb 3c
Iron Paint, ground in oil, bright red....₩ lb 5½c
Iron Paint, ground in oil, red.....₩ lb 5c
Iron Paint, ground in oil, brown.....₩ lb 4½c
Iron Paint, ground in oil, purple.....₩ lb 6c
Linseed Oil, raw 59c
Single Boiled.....61c
Double " 63c
Mineral Paints.....2@4c
Orange Mineral 10c
Red Lead, American.....6½@7c
Red Venetian, (Eng.) dry.....$1.50 to $1.75
Red Venetian, in oil.....asst'd cans, 9c; kegs, 6c
Red Indian, dry .....9@12c
Rose Pink.....10@13c
Sienna, American, raw.....4c
Sienna, burnt.....4½c
Sienna, burnt, in oil.....8@15c
Sienna, raw .....8@15c
Umber, burnt.....4@8c
Umber, burnt, in oil. .....8@15c
Umber, raw.....3½@7½c
Umber, raw, in oil.....8@15c
Vermilion, Chinese.....90c
Vermilion, English .....50@55c
Vermilion, American, commo n.....15c
White Lead, American, pure dry.....6@6½c
White Lead, American, pure in oil .....6@6½c
White, Paris, English, prime.....in brls. 1½@2c
Yellow Ochre, French.....$1 75
Yellow Ochre, F'ch, in oil, asst'd cns, 9c; kegs,6c
Yellow Ochre, American..... in bbls., 1¼@1½c
Yellow Chrome.....8@18c

THE WM. ROGERS' MFG. CO.
Silver-Plated * Table * Ware.

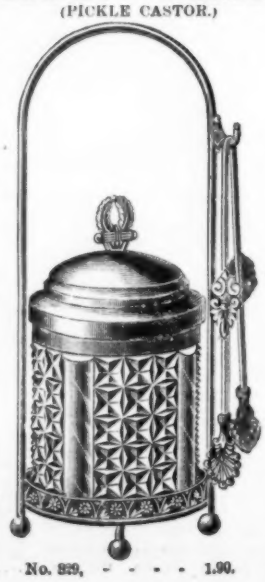
(PICKLE CASTOR.)

We manufacture a complete line of **Silver-Plated Table Ware** of all descriptions, and should be pleased to send our Price-List or Catalogue to any reliable dealer.

☞We guarantee every piece of our Ware to be just as represented.

Our guarantee card accompanies each box of goods.

Our prices are as low as any FIRST-CLASS GOODS, and our goods are equal to any made in the country.



No. 829, - - - - 1.90.

TRADE-MARKS:
WM. ROGERS MFG. CO.
—AND—
1865 Wm. Rogers Mfg. Co.
P. O. ADDRESS, DRAWER 39,
HARTFORD, CONN.

SAML. G. B. COOK & CO., HARDWARE

MANUFACTURERS' AGENTS
63, 65, 67 and 69 German St., BALTIMORE, MD.

AGENTS FOR

T. V. Allis Mnfg. Co.—Buckthorn Wire.
American Screw Co.—Screws, Rivets, Bolts, etc.
Branford Lock Works.
Boss Molasses Gates.
Carr & Crawley.—Shelf and Carriage Hardware.
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A. Field & Sons.—Tacks, Finishing Nails, etc.
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Henry W. Kipp.—Hammers.
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Lockwood Steel Hoes.
Peck Bros. & Co.—Brass Cocks.
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Saranac Horse Nail Co.
Scott Mnfg. Co.—Peach and Apple Parers, etc.
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THE ONLY PEACH PARER, THE BEST APPLE PARER,

MADE IN TWO SIZES: "FAMILY" and "MAMMOTH."

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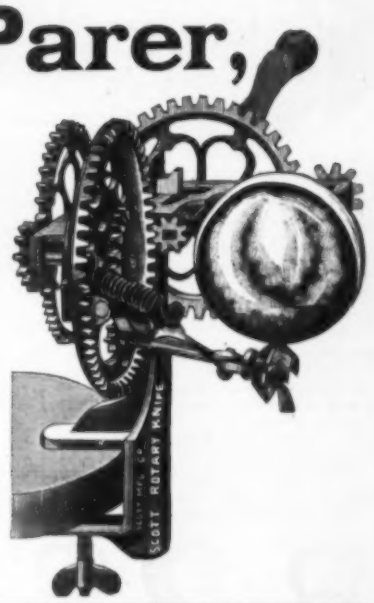
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"MEDALLION," "VICTORIA" and FOAM Egg Beaters.

IMPROVED * 1884 * HOPPER * CHERRY * SEEDER.

SCOTT MANUFACTURING CO., Baltimore, Md.





Non-Mechanical, No-Chimney LAMPS!

The McLewee Patent.

Burns WITHOUT a Chimney.

NO MACHINERY TO GET OUT OF ORDER.

Absolutely Odorless and Non-Explosive!

Give a larger and brighter flame than can be obtained with a chimney. The combustion is perfect, and they are therefore free from the slightest odor. The globes having large openings at both top and bottom are never broken by the heat. Are superior to all mechanical lamps, in that they require no winding up and have no complicated machinery to get out of order. They are made with both *Single* and *Duplex* Burners.

We have had the light given by the Duplex measured by the U. S. Government Lighthouse Department, and it *gives 50 per cent. more light than either the Mechanical or Student Lamps.*

☞It is unquestionably the Best and Safest Lamp ever made.

PRICES:

Stand Lamp, (Nickel Plated,) Single Burner, Complete, - - - - - - - - -	$4.
Duplex, made in two sizes, - -	$5 and $6.
Hanging Lamps from - - - -	$3 to $12.

—— Discounts to the Trade.——



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Send for Illustrated Circulars. Sole Manufacturers.

PORTABLE FORGES } Empire Portable Forge Co. Cohoes, N. Y. ☞Send for Catalogue.☜

GOVERNORS } For Water Wheels } Cohoes Iron Foundry & Mch. Co. Send for Catalogue. Cohoes, N. Y.

Amberg's "PEERLESS" Cabinet Letter File



The small cut shows one of the Files or Drawers of a Cabinet. The index in each File has 25 divisions, giving as many spaces or compartments for separating the papers, thereby assuring quick access to any letter when wanted.

OVER 6,000 IN USE.

These Cabinet Letter Files are made in many sizes, ranging from the smallest of six Files to those of one hundred or more. *As lately improved,* they combine all the desirable points wanted in a complete Letter File; are elegantly and substantially made, the wood-work being of the best seasoned Black Walnut, veneered, with fittings of brass and steel, nickel-plated. They can be arranged for any class of correspondence, and adapted to any requirement.

Illustrated Catalogue on application to

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CO Dunne Street, New York. 71 & 73 Lake Street, Chicago. 27 Little Britain, London.



Saranac Horse Nail Co.

PLATTSBURGH, N. Y.

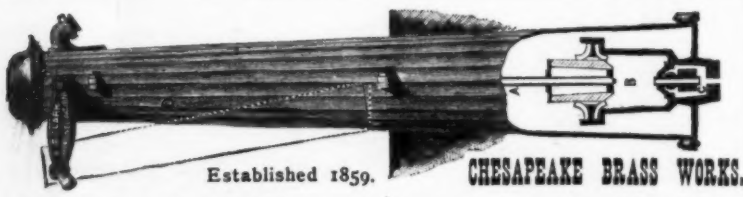
A. WILLIAMS, Prest. and Treas. S. F. VILAS, Vice-Prest. W. S. GUIBORD, Sec'y.

☞The cuts illustrating this advertisement are of Nails twisted and bent when cold.

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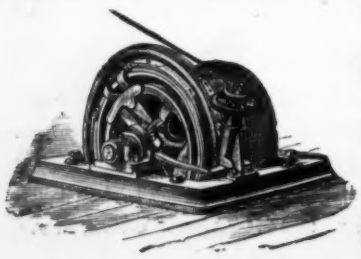
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S. H. & E. Y. MOORE, - - - - - - - CHICAGO.
SLIGO IRON STORE CO., - - - - - - ST. LOUIS.
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Established 1859. **CHESAPEAKE BRASS WORKS.**

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For Mines and Blast Furnaces.

The SAFEST, SIMPLEST, STRONGEST and BEST in the Market. Engines, Boilers, Pumps, Skips, and everything pertaining to a first-class plant of Hoisting Machinery. ☞Correspondence solicited.



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Adapted for Warehouses, Stores, Factories, Hotels, Public Institutions, and every place where merchandise, etc., is transferred from one story to another.

JAMES BATES, Patentee.

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HAS NOW BEEN

Under its present successful management for the past seven years,

And during that time its business has more than trebled, while its facilities have proportionately increased.

No expense is considered too great in obtaining and applying to the conduct of the business all possible improvements. With its present system for obtaining and promulgating information, this Agency is justly regarded by its patrons as authority on all matters affecting commercial credit. Its ramifications are greater and its business larger than any similar organization in the world conducted in one interest and under one management.

You are respectfully invited to investigate, and, if in need of an Agency, to test its ability to serve you.

CHAS. F. CLARK, President.

Baltimore Office,—American Building,

H. KERSHAW, Supt.

New and Second-Hand Machinery

NEW.

1 Engine Lathe, 10 in. x 3⅛ ft.
1 each Engine Lathes, 11 in. x 4 and 5 ft.
1 " " " 13 in. x 5, 6 and 8 ft.
1 Engine Lathe, 14 in. x 5, 6 and 8 ft.
1 " " 16 in. x 6 ft.
1 each, Engine Lathes, 16 in. x 6, 7, 8 and 10 ft.
1 Engine Lathe, 18 in. x 6, 8, 10 and 12 ft.
1 " " 20 in. x 8, 10, 12, 14 and 16 ft.
1 " " 22 in. x 8, 10, 12, 14 and 16 ft.
1 " " 24 in., any length of bed to 26 ft.
1 " " 26 in., " " " 26 ft.
1 " " 28 in., " " " 46 ft.
1 " " 28 in., " " " 28 ft.
1 " " 30 in., " " " 28 ft.
1 " " 36 in., " " " 29 ft.
1 " " 42 in., " " " 28 ft.
1 " " 48 in., " " " 29 ft.
1 " " 15 in. x 4, 6 and 8 ft. Rod feed only.
1 each, Turret Lathes, 13 and 14 in. x 14 in. x 6 ft.
1 Fox Turret Lathe, 16 in. x 6 ft.
1 Fox Lathe, 15 in. x 5 ft. Round arbor.
1 each, Hand Lathes, 10, 12, 15 and 18 in. swing.
1 Iron Planer, 18 in. x 18 in. x 3 ft.
1 each, Iron Planers, 20 in. x 20 in. x 4 and 5 ft.
1 Iron Planer, 24 in. x 24 in. x 6 ft.
1 each, Iron Planers, 26 in. x 26 in. x 7 and 10 ft.
1 Iron Planer, 30 in. x 30 in. x 10 ft.
1 " " 36 in. x 36 in. x 10 ft.
1 each 16, 20, 22, 23, 25, 28, 30, 34 and 38 in. Upright Drills.
1 each, Nos. 2, 3, 4 and 6 Spindle Gang Drills.
1 each 8, 10, 12, 15, 18 and 24 in. Shapers.
1 each, Nos. 1, 2, 3 and 4 Milling Machines.
1 No. 2 Milling Machine. Lincoln Pattern.
1 New Pattern Milling Machine. Grant & Bogert.
1 each, Nos. 2, 4, 5 Wire Feed Screw Machines.
1 each, Nos. 3 and 7 Spindle Nut Tapper.
1 Boring and Turning Mill, each 50 and 72 in.
1 Gray's Screw Machine, to take all sizes to 1 in.
1 32 in. Gear Cutter.
1 Grant & Bogert Cutter Grinder.
1 12 in. x 20 in. Cylinder Horizontal Engine.

SECOND-HAND.

1 Engine Lathe, 15 in. x 6 ft. Chelsea Machine Co.
1 " " 24 in. x 8 ft. Fair order, with taper attachment.
1 Lathe, 84 in. x 19 ft.
1 " 14 in. x 8 ft. Blaisdell.
1 Planer, 27 in. x 27 in. x 5 ft.
1 " 37 x 37 x 9 ft.
1 " 24 x 24 x 7 ft.
1 " 44 x 44 x 8 ft.
1 " 50 in. x 50 in. x 17 ft.
1 Crank Planer.
1 Lincoln Pattern No. 2 Millers.
1 9-in. Shaper.
1 Bolt Cutter, to take sizes to 1 inch.
1 Horizontal Boring Machine, 36-in. swing, will take 6 feet between centres.
1 30-in. Plain Upright Drill.
1 Bement Slotter, 12 in. stroke.
1 35-in. Gear Cutter.

All kinds Machinists' Tools and Supplies.

New York Agency of the Tanite Co.

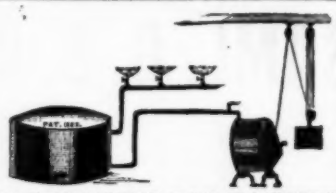
Grant & Bogert Machine Tool Works,

AND FOR THE

"New Polished" Shafting.

H. PRENTISS & CO.

42 Dey Str., New York.



THE BROUGH GAS MACHINE.

We desire to call your attention to the advantages of this Machine (patented Sept. 4, 1883,) for lighting Churches, Hotels, Dwellings, Factories, etc. There is no smoke, and it is free from condensation in pipes. It can be applied to Stoves and used for Heating Purposes. It is also sold on reasonable terms. For terms and all information address

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TOOLS for Machinists, Amateurs, Jewellers, Model Makers, Blacksmiths, Carpenters, Coachmakers, etc.

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The CURTIS STEAM TRAP.



Has *main* valve outside. *Air* valve inside.

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Engines and Boilers, Mills of all kinds, Marine Railways, &c. Improved Clay Tempering Machinery, Steam or Horse Power. Phosphate Machinery, Crushers, Rollers, Mixers, &c. &c.

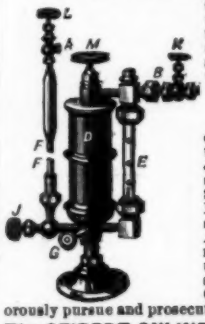
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SOLE MANUFACTURERS OF



Oil Cups for Locomotives, Marine and Stationary Engine Cylinders, and the Seibert and Gates Patents with Sight Feed.

Take Notice.

The "Sight Feed" is owned exclusively by this company. See Judge Lowell's decision in the United States Circuit Court, District of Massachusetts, Feb. 23d, 1882.—All parties are hereby notified to desist the use, manufacture or sale of INFRINGING CUPS, as we shall vigorously pursue and prosecute all infringers.

The SEIBERT CYLINDER OIL-CUP CO.

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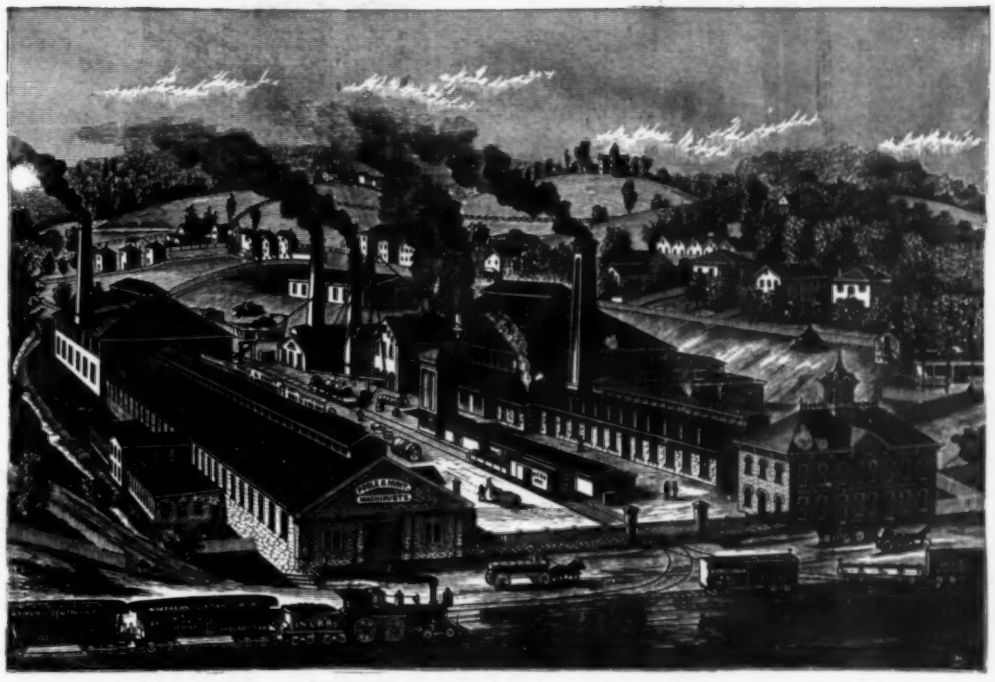
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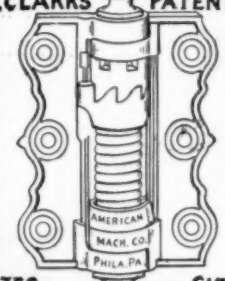
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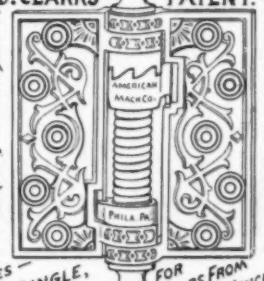
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SIZES. 3×2½ IN SURFACE, 3×3 IN SURFACE. SIZES. 3×3 IN MORTISE, 3 IN DOUBLE ACTING.

THE "CROWN" SPRING HINGE. — For Solid Doors. — C.B. CLARK'S PATENT.

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MADE BY AMERICAN MACH. CO. PHILA. PA.



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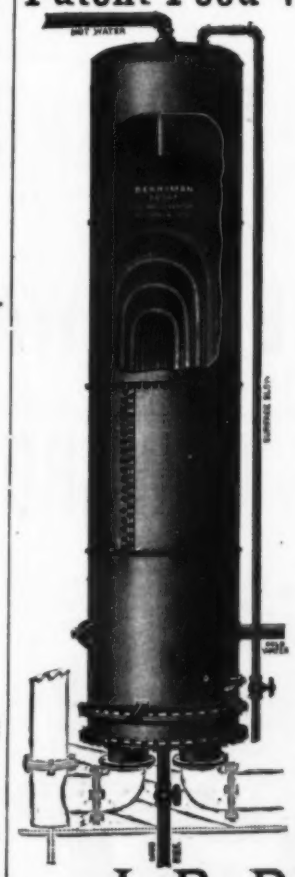
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"Phosphor-Bronze."

The celebrated alloys in Wire, Rods, Sheets, Bolts, Wire Ropes, Wire Cloth, Castings, Ingots, etc.
Pamphlets and particulars on application to
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Sole Manufacturers of Phosphor-Bronze in the United States.

THE BERRYMAN Patent Feed Water Heater AND Purifier



The Shells of the Berryman are of C H No. 1 iron, and tested to 175 pounds cold water. Every heater is guaranteed to be absolutely tight, making it the only Feed Water Heater applicable to a Condensing Engine, increasing the vacuum and imparting a high degree of heat in the feed water, saving eight to ten per cent.

THE BERRYMAN

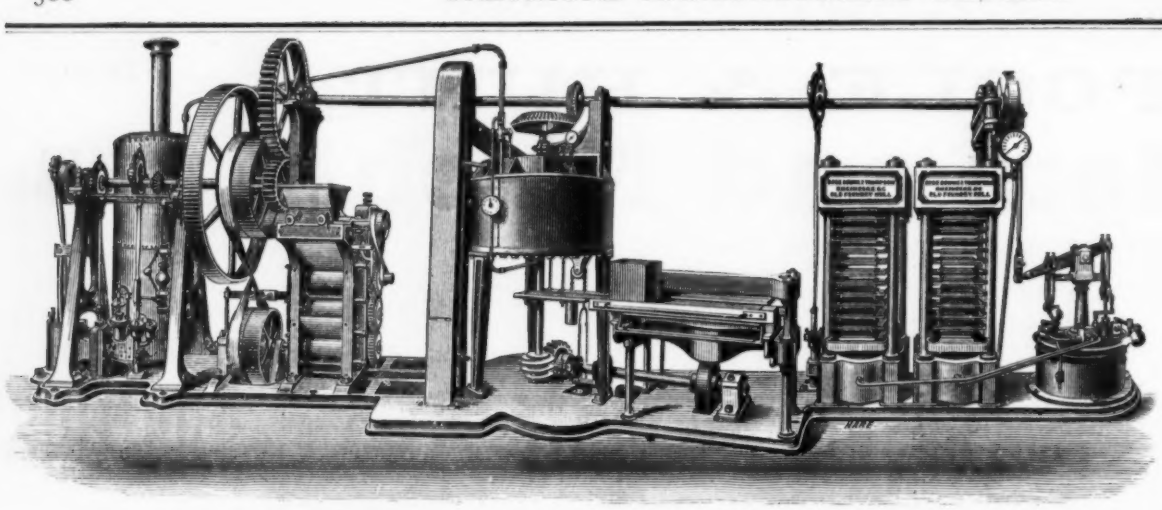
has been in constant use for more than 12 years in all parts of the United States and Europe, and none have ever needed repairs. It gives the highest result attainable by the use of exhaust steam.

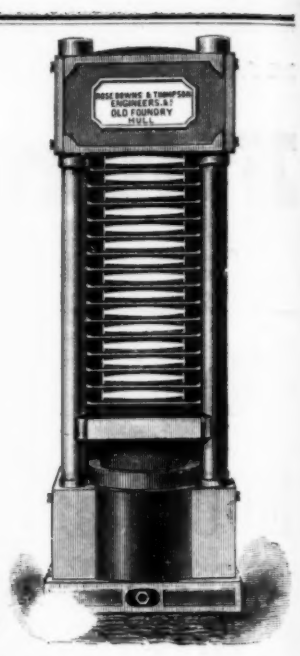
☞Boiler repairs, and the vexation by shutting down when in a hurry, are saved. The trouble and expense of throwing out a poor heater and putting in a good one are saved by the use of **The Berryman Feed Water Heater and Purifier.**

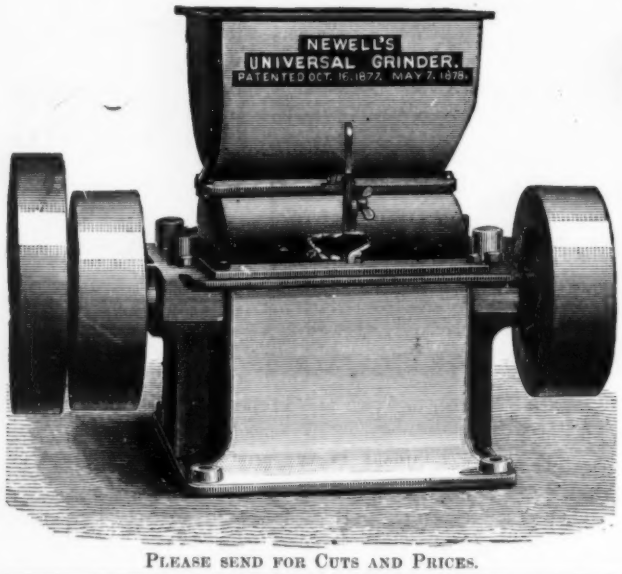
☞All Oil or Fatty Matter is excluded from the boilers, as the feed water and exhaust steam do not come in contact by the use of **The BERRYMAN Feed Water Heater and Purifier.**

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Anglo-American System of Extracting Oil from Cotton Seed.

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The Newell Universal Mill Co.

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Who also manufacture the NEWELL MILL in all its forms and sizes.

☞ A large stock assorted sizes of Engines and Boilers constantly on hand for immediate delivery.

The Pennsylvania Lawn Mower.

PRICE-LIST.

10-inch	$13.00
12 "	15.00
14 "	17.00
16 "	19.00
18 "	21.00
15 "	20.00
17 "	22.00
19 "	25.00

Discount to Trade.



LLOYD & SUPPLEE HARDWARE CO., Phila.
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THE Pennsylvania Lawn Mower.

We defy any one to Produce its Equal.

We have now in our possession a 16-inch Pennsylvania Mower, which was sold to an institute in this State, and was used nearly every working day constantly from the day it was purchased until we got it in our possession. This Mower cut five hundred acres of grass, was sharpened but once during use, and although it has not been sharpened since it came from the ground, nevertheless will cut the finest paper. We now have it in our store on exhibition, and we only secured it by giving a new machine, the parties not wanting to part with it.

The Quaker City Lawn Mower

This is by no means an inferior Mower because at less list price. The saving in manufacture being because it is a centre cut instead of a rear cut Mower. Particularly adapted for the Southern Trade, and at the price we now offer them parties with the smallest lawns cannot well afford to permit their grass to grow wild, or be ruined by use of grass hook, sickle or scythe.

The Quaker City Lawn Mower.

REDUCED PRICE.

10-inch	$11.00
12 "	13.00
14 "	15.00
16 "	17.00

Discount to Trade.



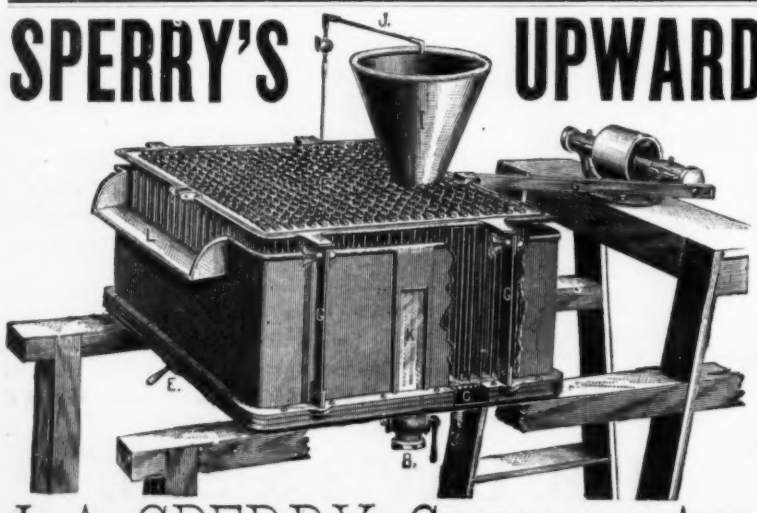
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The cheapest and best in the world. Adapted to all concentratable ores and slimes of GOLD, SILVER, COPPER, TIN, ZINC, &c., and MILL TAILINGS.

Will Concentrate from 50 to 100 tons in 24 Hours

PRICE $300. NO ROYALTY.

Weight—140 Pounds. Power Required only ¼ of 1 Horse.

Sperry's ✲ Wet ✲ Sizing ✲ Machine

Small and Compact. Entirely New Principle.

Crushing Rolls, Rock Breakers, Stamp Mills and General Mining Machinery and Supplies.

Full-size Concentrating Plant in operation at 12 Cortlandt St. Send for Circular.

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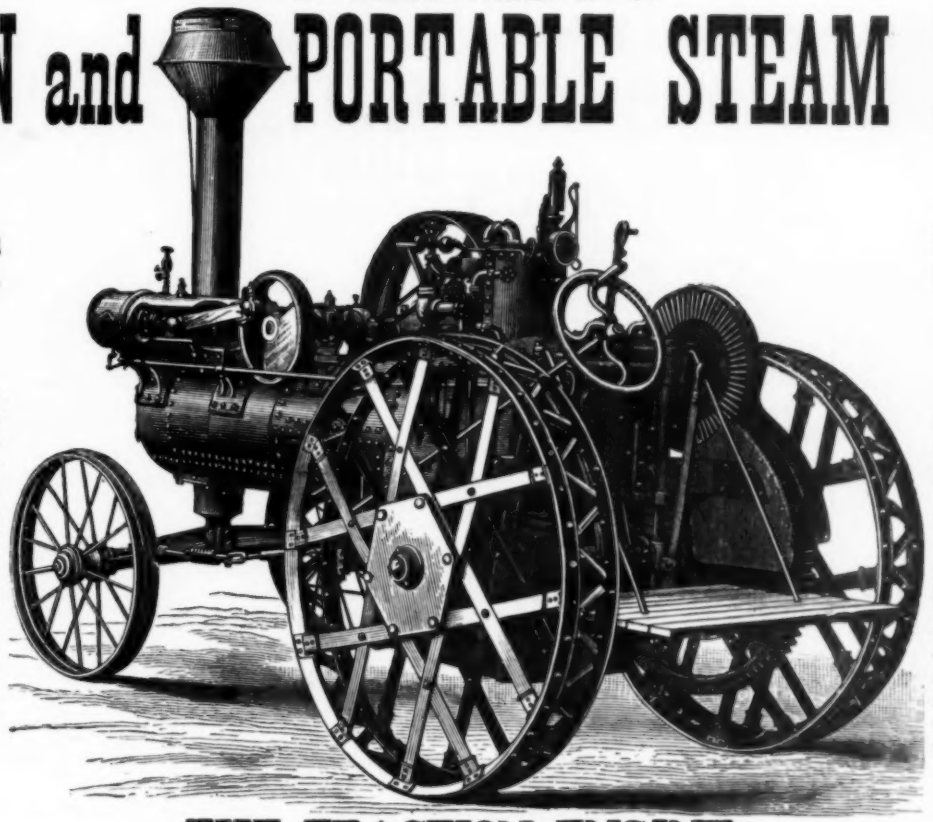
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Manufacturers of

TRACTION and PORTABLE STEAM ENGINES.

—UNSURPASSED—
FOR
Power, Light Weight, Economy in Fuel and Water, Efficiency, Simplicity and Durability.

The Traction Engines are furnished with Birdsall's Patent Driving Wheel, which is made expressly for soft or muddy roads; they are warranted to travel and take a load on roads that are too soft to be used by any other traction; are very simple; easily managed; better made and made of better material and decidedly the best finished engine in the market. A prize will be given to every farmer who tries them and does not find by experience that they are not excelled by any and superior to most.



THE TRACTION ENGINE.

—UNSURPASSED—
FOR
Power, Light Weight, Economy in Fuel and Water, Efficiency, Simplicity and Durability.

APRON and VIBRATING THRESHING MACHINES, embodying superior points of excellence and merit peculiar to themselves and possessed by none others, are built expressly for heavy work, and have unusually large separating and cleaning capacity; are matchless in strength, beauty of design and finish, and can be operated by any one of ordinary intelligence, owing to their extreme simplicity and solidity; are capable of taking care of all the grain that can be gotten to them, and in a superior manner.

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for States of Pennsylvania, Maryland, Delaware, Virginia, West Virginia and North Carolina. Agents wanted in every county not already taken. Send for Circulars and Prices.

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AXES & EDGE TOOLS



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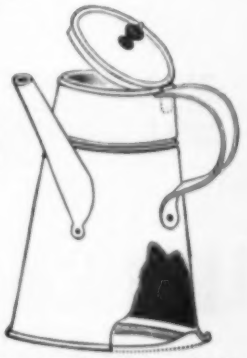
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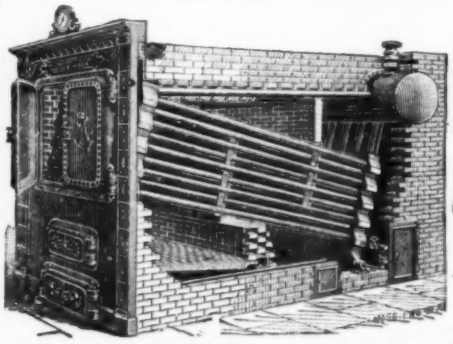
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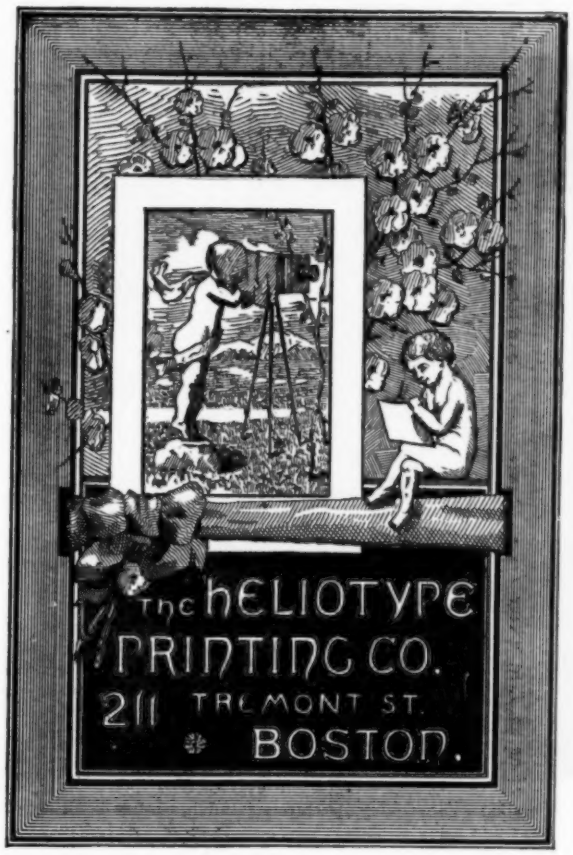
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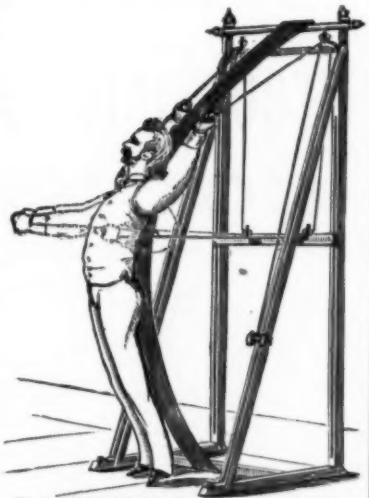


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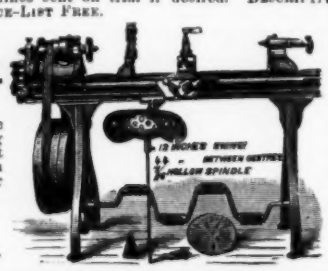
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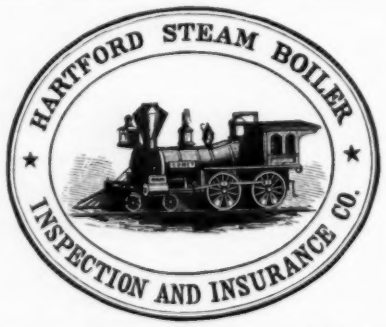
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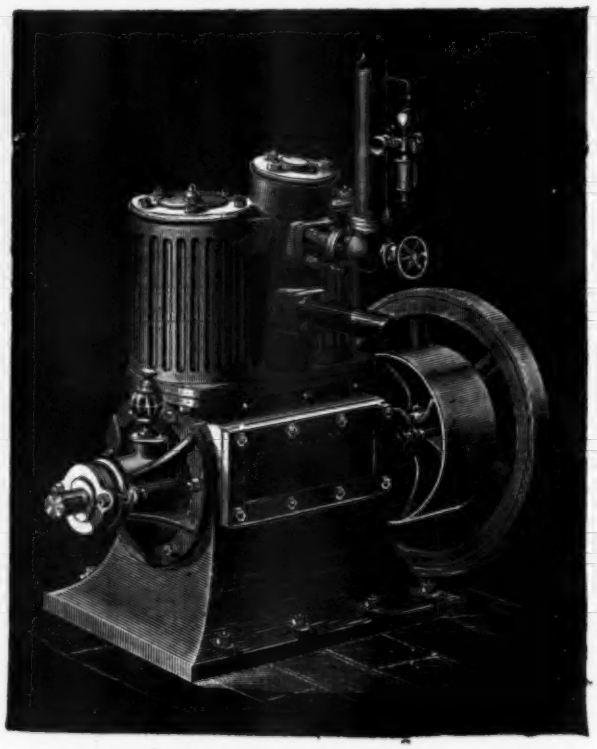
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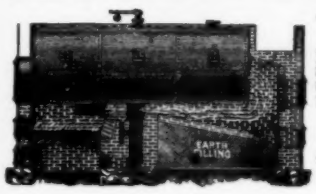
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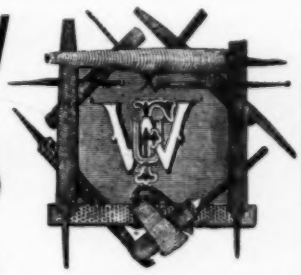
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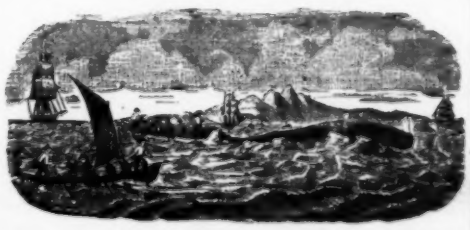
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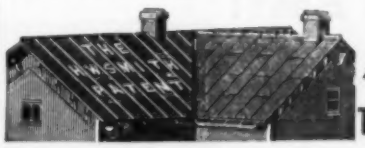
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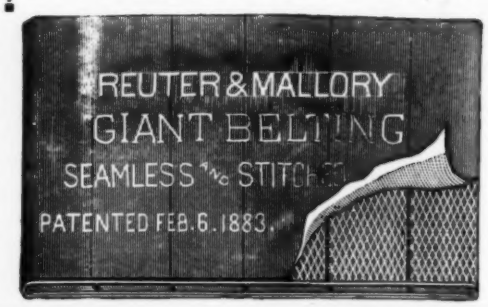
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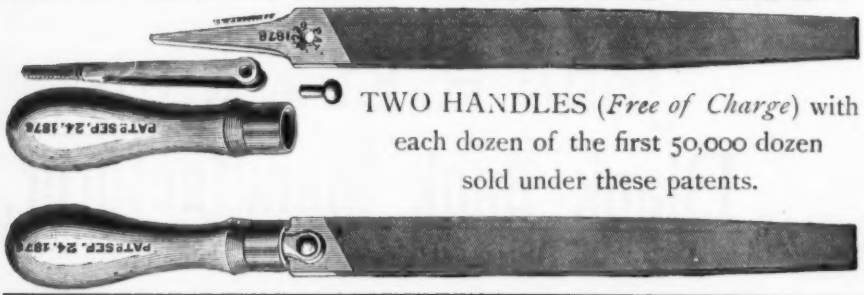
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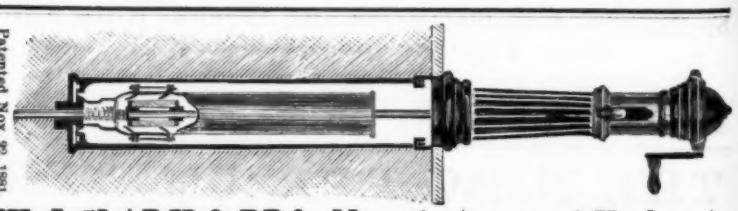
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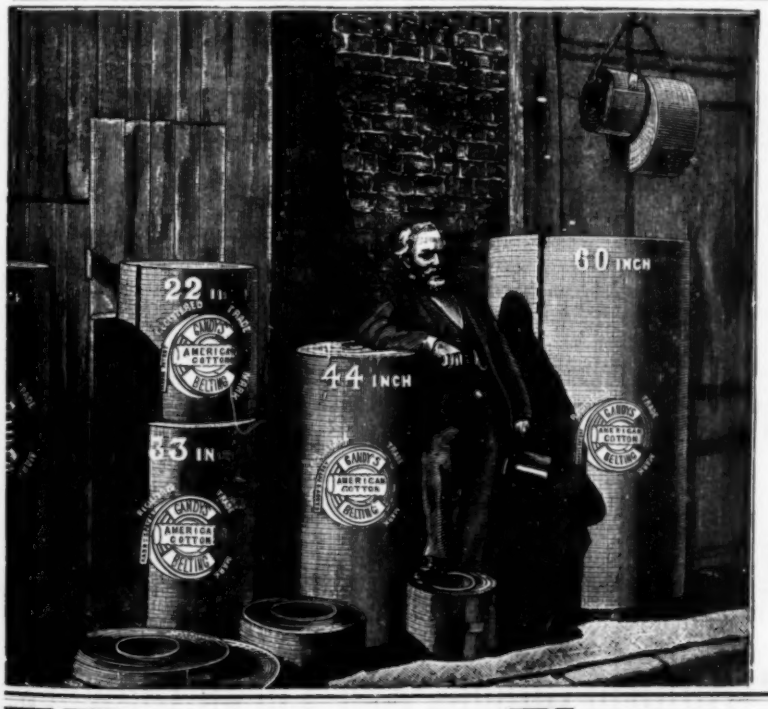


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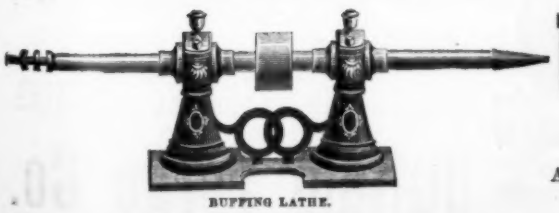
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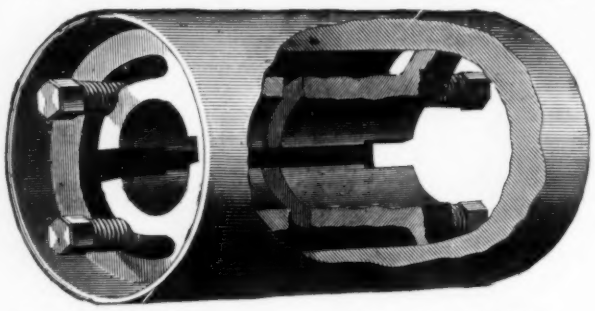
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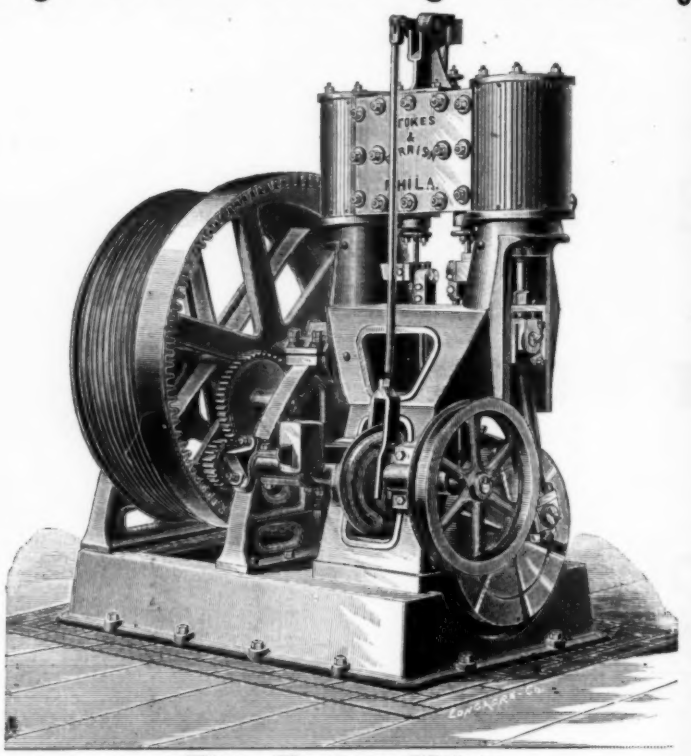
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